

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6083107

QC Batch: WETA/13652 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6083107001

METHOD BLANK: 683985 Matrix: Water
Associated Lab Samples: 6083107001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	ND	0.20 08/10/10 17:27	
Sulfate	mg/L	ND	ND	1.0 08/10/10 17:27	

LABORATORY CONTROL SAMPLE: 683986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	5.1	102	90-110	
Sulfate	mg/L	5	5.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 683987 683988

Parameter	Units	MS 6082877002 Result	MSD Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	ND	100	100	97.1	96.8	93	93	75-110	93	61-119	1	10	
Sulfate	mg/L	1500	1000	1000	2460	2440	96	93	75-110	93	61-119	1	10	

MATRIX SPIKE SAMPLE: 683989

Parameter	Units	MS 6083107001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	2.6	5	7.5	100	75-110	
Sulfate	mg/L	354	100	475	121	61-119 MO	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6083107

QC Batch: WETA/13661 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6083107002

METHOD BLANK: 684535 Matrix: Water

Associated Lab Samples: 6083107002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	ND	0.20 08/11/10 17:47	
Sulfate	mg/L	ND	ND	1.0 08/11/10 17:47	

LABORATORY CONTROL SAMPLE: 684536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	5.1	102	90-110	
Sulfate	mg/L	5	5.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 684537 684538

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	ND	2500	2500	2380	2380	95	95	75-110	0	10	
Sulfate	mg/L	ND	2500	2500	2620	2560	93	91	61-119	2	10	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6083107

QC Batch: WETA/13595 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6083107001, 6083107002

METHOD BLANK: 681486 Matrix: Water

Associated Lab Samples: 6083107001, 6083107002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	08/04/10 16:40	

LABORATORY CONTROL SAMPLE: 681487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	105	90-110	

MATRIX SPIKE SAMPLE: 681488

Parameter	Units	6082919002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	91	90-110	

MATRIX SPIKE SAMPLE: 681490

Parameter	Units	6083107002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	12.0	2	10.7	-68	90-110 MO	

SAMPLE DUPLICATE: 681489

Parameter	Units	6082950001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	30.3	32.7	8	18	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6083107

QC Batch: WETA/13606 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6083107001, 6083107002

METHOD BLANK: 682169 Matrix: Water

Associated Lab Samples: 6083107001, 6083107002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	08/06/10 19:33	

LABORATORY CONTROL SAMPLE: 682170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 682171

Parameter	Units	6082700002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	17.0	8	23.9	86	72-121	

MATRIX SPIKE SAMPLE: 682173

Parameter	Units	6082919001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	11.8	8	15.7	49	72-121 MO	

SAMPLE DUPLICATE: 682172

Parameter	Units	6082687001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	1.4	1.4	3	15	

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 6083107

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PAS1-K Pace Analytical Services - Kansas City

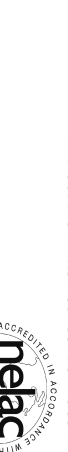
ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Date: 08/16/2010 12:59 PM

REPORT OF LABORATORY ANALYSIS

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September 21, 2010

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 6085009

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on September 07, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 6085009

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 6085009

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6085009001	SL001	Water	09/07/10 13:10	09/07/10 22:45
6085009002	WT003	Water	09/07/10 13:00	09/07/10 22:45

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 6085009

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
6085009001	SL001	SM 2540D	EKN	1	PASI-K
		SM 4500-H+B	APS	1	PASI-K
		EPA 300.0	JML	1	PASI-K
		EPA 300.0	JML	2	PASI-K
		EPA 350.1	RAB	1	PASI-K
		EPA 365.4	AJM	1	PASI-K
		SM 2540D	EKN	1	PASI-K
		SM 4500-H+B	APS	1	PASI-K
		EPA 300.0	JML	1	PASI-K
		EPA 300.0	JML	2	PASI-K
6085009002	WT003	EPA 350.1	RAB	1	PASI-K
		EPA 365.4	AJM	1	PASI-K
		SM 2540D	EKN	1	PASI-K
		SM 4500-H+B	APS	1	PASI-K
		EPA 300.0	JML	1	PASI-K

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 6085009

Sample: SL001		Lab ID: 6085009001	Collected: 09/07/10 13:10	Received: 09/07/10 22:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids			Analytical Method: SM 2540D					
Total Suspended Solids	9.0	mg/L	5.0	1		09/09/10 14:20		
4500H+ pH, Electrometric			Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	7.3	Std. Units	0.10	1		09/08/10 21:00		H6
300.0 IC Anions			Analytical Method: EPA 300.0					
Nitrate as N	3.1	mg/L	0.10	1		09/08/10 12:21	14797-55-8	
300.0 IC Anions 28 Days			Analytical Method: EPA 300.0					
Fluoride	3.5	mg/L	0.20	1		09/20/10 19:01	16984-48-8	
Sulfate	522	mg/L	50.0	50		09/20/10 19:13	14808-79-8	
350.1 Ammonia			Analytical Method: EPA 350.1					
Nitrogen, Ammonia	4.5	mg/L	0.10	1		09/09/10 12:00	7664-41-7	
365.4 Total Phosphorus			Analytical Method: EPA 365.4					
Phosphorus	0.87	mg/L	0.10	1		09/11/10 16:26	7723-14-0	
Sample: WT003		Lab ID: 6085009002	Collected: 09/07/10 13:00	Received: 09/07/10 22:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids			Analytical Method: SM 2540D					
Total Suspended Solids	9.0	mg/L	5.0	1		09/10/10 07:32		
4500H+ pH, Electrometric			Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	7.1	Std. Units	0.10	1		09/08/10 21:00		H6
300.0 IC Anions			Analytical Method: EPA 300.0					
Nitrate as N	3.7	mg/L	0.10	1		09/08/10 11:45	14797-55-8	
300.0 IC Anions 28 Days			Analytical Method: EPA 300.0					
Fluoride	4.7	mg/L	0.20	1		09/20/10 20:38	16984-48-8	
Sulfate	1030	mg/L	50.0	50		09/20/10 20:51	14808-79-8	
350.1 Ammonia			Analytical Method: EPA 350.1					
Nitrogen, Ammonia	12.1	mg/L	0.50	1		09/09/10 12:02	7664-41-7	
365.4 Total Phosphorus			Analytical Method: EPA 365.4					
Phosphorus	6.7	mg/L	0.20	1		09/11/10 16:43	7723-14-0	

Date: 09/21/2010 11:36 AM

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6085009

QC Batch:	WET/25315	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	6085009001		

METHOD BLANK: 696972 Matrix: Water
Associated Lab Samples: 6085009001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	09/09/10 14:20	

SAMPLE DUPLICATE: 696973					
Parameter	Units	6085014006 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	14.0	14.0	0	25

SAMPLE DUPLICATE: 696974					
Parameter	Units	6085041002 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	ND	ND	ND	25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6085009

QC Batch:	WET/25334	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	6085009002		

METHOD BLANK: 697592
Associated Lab Samples: 6085009002
Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	09/10/10 07:30	

SAMPLE DUPLICATE: 697593					
Parameter	Units	6085105001 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	5.0	6.0		25

SAMPLE DUPLICATE: 697594					
Parameter	Units	6085011005 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	86.0	87.0	1	25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6085009

QC Batch:	WET/25308	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	6085009001, 6085009002		

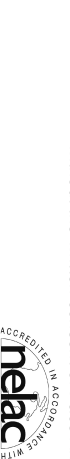
SAMPLE DUPLICATE: 696955

Parameter	Units	6085010001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
pH at 25 Degrees C	Std. Units	8.0	8.0	0	5	H6

Date: 09/21/2010 11:36 AM

REPORT OF LABORATORY ANALYSIS

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Project: MONTHLY NPDES

QC Batch: WETA/13919

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 6085009001, 6085009002

METHOD BLANK: 696514

Matrix: Water

Associated Lab Samples: 6085009001, 6085009002

Blank Reporting

Nitrate as N	mg/L	ND	0.10	09/08/10 09:55
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Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
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Nitrate as N	mg/L	5	4.9	98	90-110
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MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6966522

MS

696523

MSD

[illegible]

Nitrate as N	mg/L	7.1	5	5	12.2	12.2	102	102	68-120	0	16
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REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6085009

QC Batch: WETA/14022 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6085009001, 6085009002

METHOD BLANK: 702455 Matrix: Water

Associated Lab Samples: 6085009001, 6085009002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	ND	0.20 09/20/10 16:23	
Sulfate	mg/L	ND	ND	1.0 09/20/10 16:23	

LABORATORY CONTROL SAMPLE: 702456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	4.9	99	90-110	
Sulfate	mg/L	5	5.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 702457 702458

Parameter	Units	MS Spike Result	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	3.5	5	8.3	8.4	96	97	75-110	1	10	
Sulfate	mg/L	522	250	737	732	86	84	61-119	1	10	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6085009

QC Batch: WETA/13930 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6085009001, 6085009002

METHOD BLANK: 697020 Matrix: Water

Associated Lab Samples: 6085009001, 6085009002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	09/09/10 11:49	

LABORATORY CONTROL SAMPLE: 697021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	106	90-110	

MATRIX SPIKE SAMPLE: 697022

Parameter	Units	6085007006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.26	2	1.8	78	90-110	M0

SAMPLE DUPLICATE: 697023

Parameter	Units	6085009001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	4.5	4.6	2	18	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6085009

QC Batch: WETA/13945 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6085009001, 6085009002

METHOD BLANK: 698249 Matrix: Water

Associated Lab Samples: 6085009001, 6085009002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	09/11/10 16:04	

LABORATORY CONTROL SAMPLE: 698250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	105	90-110	

MATRIX SPIKE SAMPLE: 698251

Parameter	Units	6085073001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	16.5	10	24.5	80	72-121	

MATRIX SPIKE SAMPLE: 698253

Parameter	Units	6085026001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.2	108	72-121	

SAMPLE DUPLICATE: 698252

Parameter	Units	6084801008 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	93.9	91.5	3	15	

Date: 09/21/2010 11:36 AM

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QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 6085009

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PAS1-K Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Date: 09/21/2010 11:36 AM

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CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Section B Required Project Information: Section C Invoice Information:

Company: FI MO Remediation Trust Report To: Keith Brown
Address: 4400 College Blvd Copy To: Doug Engel, Kamyar Manesh
Joplin, MO 64801
Email To: Kamyar.manesh@shawgrp.com Purchase Order No.: 561349
Phone: Fax: Project Name: Monthly NPDES
Requested Due Date/TAT: Project Number:
Attention: Company Name: Address: Pace Quote
Reference: Pace Project: Sheeri Guess
Manager: Pace Profile #: 76
REGULATORY AGENCY
☒ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA
Site Location: MO
STATE: Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					COMPOSITE START	COMPOSITE END/GRAB							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol					Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Michael H. Manesh
SIGNATURE of SAMPLER: Michael H. Manesh
DATE Signed (MM/DD/YY): 10-4-10
Temp in °C
Received on Ice (Y/N)
Custody Sealed/Cooler (Y/N)
Samples Intact (Y/N)

Sample Condition Upon Receipt



Client Name: FT Mo Demand Project # 6086845

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other EC2

Tracking #: _____ Page Shipping Label Used? ☐ Yes ☐ No

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals Intact: ☒ Yes ☐ No

Optional	Proj. Due Date: <u>1-31-18</u>
Proj. Name: _____	

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Foam ☒ None ☐ Other _____

Thermometer Used: T-192 / T-194 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 0.7

Temperature should be above freezing to 6°C

Comments: _____

Date and Initials of person examining contents: 10/6/18 by

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>PH, NO3</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace containers used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
-Includes date/time/D/analyses	Matrix: <u>WET</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, Wt-DRO (water), Phenolics	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed <u>by</u>
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Pace Trip Blank lot # (if purchased):		Lot # of added preservative
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: _____

Client Notification/ Resolution: _____ Copy COC to Client? Y / N _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 10.6.18

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

October 15, 2010

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 6086845

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 6086845

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 6086845

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6086845001	SL001	Water	10/04/10 17:30	10/05/10 22:45
6086845002	WT001	Water	10/04/10 17:15	10/05/10 22:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 6086845

Lab ID	Sample ID	Method	Analysis	Analytes Reported	Laboratory
6086845001	SL001	SM 2540D	DSM	1	PASI-K
		SM 4500-H+B	JML	1	PASI-K
		EPA 300.0	RAB	1	PASI-K
		EPA 300.0	RAB	2	PASI-K
		EPA 350.1	AJM	1	PASI-K
		EPA 365.4	AJM	1	PASI-K
		SM 2540D	DSM	1	PASI-K
		SM 4500-H+B	JML	1	PASI-K
		EPA 300.0	RAB	1	PASI-K
		EPA 300.0	RAB	2	PASI-K
6086845002	WT001	EPA 350.1	AJM	1	PASI-K
		EPA 365.4	AJM	1	PASI-K
		SM 2540D	DSM	1	PASI-K
		SM 4500-H+B	JML	1	PASI-K
		EPA 300.0	RAB	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 6086845

Sample: SL001		Lab ID: 6086845001	Collected: 10/04/10 17:30	Received: 10/05/10 22:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids			Analytical Method: SM 2540D					
Total Suspended Solids	7.0	mg/L	5.0	1		10/07/10 17:10		
4500H+ pH, Electrometric			Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	7.3	Std. Units	0.10	1		10/06/10 15:00		H6
300.0 IC Anions			Analytical Method: EPA 300.0					
Nitrate as N	3.1	mg/L	0.10	1		10/06/10 13:00	14797-55-8	
300.0 IC Anions 28 Days			Analytical Method: EPA 300.0					
Fluoride	2.7	mg/L	0.20	1		10/08/10 15:08	16984-48-8	
Sulfate	304	mg/L	50.0	50		10/08/10 15:23	14808-79-8	
350.1 Ammonia			Analytical Method: EPA 350.1					
Nitrogen, Ammonia	3.2	mg/L	0.10	1		10/14/10 18:44	7664-41-7	
365.4 Total Phosphorus			Analytical Method: EPA 365.4					
Phosphorus	0.74	mg/L	0.10	1		10/12/10 18:53	7723-14-0	
Sample: WT001		Lab ID: 6086845002	Collected: 10/04/10 17:15	Received: 10/05/10 22:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids			Analytical Method: SM 2540D					
Total Suspended Solids	7.0	mg/L	5.0	1		10/07/10 17:11		
4500H+ pH, Electrometric			Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	8.0	Std. Units	0.10	1		10/06/10 15:00		H6
300.0 IC Anions			Analytical Method: EPA 300.0					
Nitrate as N	5.5	mg/L	0.10	1		10/06/10 12:11	14797-55-8	
300.0 IC Anions 28 Days			Analytical Method: EPA 300.0					
Fluoride	7.8	mg/L	0.20	1		10/08/10 16:08	16984-48-8	
Sulfate	705	mg/L	100	100		10/08/10 16:24	14808-79-8	
350.1 Ammonia			Analytical Method: EPA 350.1					
Nitrogen, Ammonia	11.6	mg/L	1.0	1		10/14/10 19:06	7664-41-7	
365.4 Total Phosphorus			Analytical Method: EPA 365.4					
Phosphorus	0.21	mg/L	0.10	1		10/12/10 18:55	7723-14-0	

Date: 10/15/2010 09:26 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6086845

QC Batch:	WET/25828	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	6086845001, 6086845002		

METHOD BLANK: 713976 Matrix: Water

Associated Lab Samples: 6086845001, 6086845002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/07/10 17:08	

SAMPLE DUPLICATE: 713977

Parameter	Units	6086793001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5.0	8.0		25	

SAMPLE DUPLICATE: 713978

Parameter	Units	6086875002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	9.0	10	11	25	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6086845

QC Batch:	WET/25811	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	6086845001, 6086845002		

SAMPLE DUPLICATE: 713286

Parameter	Units	6086845002	Dup		RPD	Max RPD	Qualifiers
		Result	Result	Result			
pH at 25 Degrees C		8.0		8.0		0	5 H6

Date: 10/15/2010 09:26 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6086845

QC Batch: WETA/14266 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6086845001, 6086845002

METHOD BLANK: 712753 Matrix: Water

Associated Lab Samples: 6086845001, 6086845002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	10/06/10 11:38	

LABORATORY CONTROL SAMPLE: 712754

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 712755

Parameter	Units	MS Spike Result	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MSD % Rec Limits	MSD % Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	5	5	4.8	4.6	96	92	68-120	4	16	

MATRIX SPIKE SAMPLE: 712768

Parameter	Units	6086846001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	0.90	5	5.5	93	68-120	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6086845

QC Batch: WETA/14299 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6086845001, 6086845002

METHOD BLANK: 714378 Matrix: Water

Associated Lab Samples: 6086845001, 6086845002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	ND	0.20 10/08/10 11:51	
Sulfate	mg/L	ND	ND	1.0 10/08/10 11:51	

LABORATORY CONTROL SAMPLE: 714379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	4.9	97	90-110	
Sulfate	mg/L	5	4.5	90	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 714380 714381

Parameter	Units	MS 6086937002 Spike Result	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	ND	50	50	49.4	48.6	96	94	75-110	2	10
Sulfate	mg/L	99.9	50	50	144	145	89	91	61-119	1	10

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6086845

QC Batch: WETA/14390 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6086845001, 6086845002

METHOD BLANK: 717888 Matrix: Water

Associated Lab Samples: 6086845001, 6086845002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/14/10 18:15	

LABORATORY CONTROL SAMPLE: 717889

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.2	110	90-110	

MATRIX SPIKE SAMPLE: 717890

Parameter	Units	6086617001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	15.3	10	24.5	92	90-110	

MATRIX SPIKE SAMPLE: 717892

Parameter	Units	6086951002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.3	115	90-110 MO	

SAMPLE DUPLICATE: 717891

Parameter	Units	6086858001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

Date: 10/15/2010 09:26 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6086845

QC Batch: WETA/14316 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6086845001, 6086845002

METHOD BLANK: 715274 Matrix: Water

Associated Lab Samples: 6086845001, 6086845002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	10/12/10 18:09	

LABORATORY CONTROL SAMPLE: 715275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	1.9	97	90-110	

MATRIX SPIKE SAMPLE: 715276

Parameter	Units	6086932002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.0	2	3.8	91	72-121	

MATRIX SPIKE SAMPLE: 715278

Parameter	Units	6086906002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.85	2	2.7	94	72-121	

SAMPLE DUPLICATE: 715277

Parameter	Units	6086751001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	0.80	0.81	1	15	

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 6086845

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PAS1-K Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Date: 10/15/2010 09:26 AM

REPORT OF LABORATORY ANALYSIS

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November 16, 2010

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6088540001	SL001	Water	11/01/10 17:40	11/02/10 22:05
6088540002	WT003	Water	11/01/10 17:30	11/02/10 22:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
6088540001	SL001	SM 2540D	SRM1	1	PASI-K
		SM 4500-H+B	JPF	1	PASI-K
		EPA 300.0	JML	1	PASI-K
		EPA 300.0	JML	2	PASI-K
		EPA 350.1	AJM	1	PASI-K
		EPA 365.4	AJM	1	PASI-K
		SM 2540D	SRM1	1	PASI-K
		SM 4500-H+B	JPF	1	PASI-K
		EPA 300.0	JML	1	PASI-K
		EPA 300.0	JML	2	PASI-K
6088540002	WT003	EPA 350.1	AJM	1	PASI-K
		EPA 365.4	AJM	1	PASI-K
		SM 2540D	SRM1	1	PASI-K
		SM 4500-H+B	JPF	1	PASI-K
		EPA 300.0	JML	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

Sample: SL001		Lab ID: 6088540001	Collected: 11/01/10 17:40	Received: 11/02/10 22:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND	mg/L	5.0	1		11/04/10 12:44		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.2	Std. Units	0.10	1		11/03/10 16:15		H6
300.0 IC Anions		Analytical Method: EPA 300.0						
Nitrate as N	3.6	mg/L	0.10	1		11/03/10 15:32	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Fluoride	2.8	mg/L	0.20	1		11/15/10 18:30	16984-48-8	
Sulfate	308	mg/L	100	100		11/15/10 18:45	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	2.4	mg/L	0.10	1		11/10/10 14:25	7664-41-7	
365.4 Total Phosphorus		Analytical Method: EPA 365.4						
Phosphorus	0.50	mg/L	0.10	1		11/09/10 16:31	7723-14-0	
Sample: WT003		Lab ID: 6088540002	Collected: 11/01/10 17:30	Received: 11/02/10 22:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND	mg/L	5.0	1		11/04/10 12:44		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.5	Std. Units	0.10	1		11/03/10 16:15		H6
300.0 IC Anions		Analytical Method: EPA 300.0						
Nitrate as N	4.9	mg/L	0.10	1		11/03/10 15:16	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Fluoride	5.6	mg/L	0.20	1		11/15/10 19:00	16984-48-8	
Sulfate	783	mg/L	200	200		11/15/10 19:15	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	9.0	mg/L	0.50	1		11/10/10 14:36	7664-41-7	
365.4 Total Phosphorus		Analytical Method: EPA 365.4						
Phosphorus	0.30	mg/L	0.10	1		11/09/10 16:32	7723-14-0	

Date: 11/16/2010 10:15 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

QC Batch:	WET/26296	Analysis Method:		SM 2540D	
QC Batch Method:	SM 2540D	Analysis Description:		2540D Total Suspended Solids	
Associated Lab Samples:	6088540001, 6088540002				
METHOD BLANK: 730409		Matrix: Water			
Associated Lab Samples:	6088540001, 6088540002				
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	11/04/10 12:42	

SAMPLE DUPLICATE: 730410						
Parameter	Units	6088539001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	216	212	2	25	

SAMPLE DUPLICATE: 730411						
Parameter	Units	6088555002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND			25

QUALITY CONTROL DATA

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

QC Batch:	WET/26283	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	6088540001, 6088540002		

SAMPLE DUPLICATE: 729876

Parameter	Units	6088539002	Dup		RPD	Max RPD	Qualifiers
		Result	Result	Result			
pH at 25 Degrees C		8.4	8.4		0		5 H6

QUALITY CONTROL DATA

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

QC Batch: WETA/14619 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6088540001, 6088540002

METHOD BLANK: 729809 Matrix: Water

Associated Lab Samples: 6088540001, 6088540002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	11/03/10 16:17	

LABORATORY CONTROL SAMPLE: 729810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 729811

Parameter	Units	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MSD % Rec Limits	MSD RPD	MSD RPD Max	Qual
Nitrate as N	mg/L	39.6	50	50	89.3	90.1	99	101	68-120	1	16

MATRIX SPIKE SAMPLE: 729813

Parameter	Units	6088504001 Result	Spike Conc.	MS Result	MS % Rec	MS % Rec Limits	Qualifiers
Nitrate as N	mg/L	1020	500	1640	124	68-120	MO

QUALITY CONTROL DATA

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

QC Batch: WETA/14740 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6088540001, 6088540002

METHOD BLANK: 736062 Matrix: Water

Associated Lab Samples: 6088540001, 6088540002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	ND	0.20 11/15/10 17:14	
Sulfate	mg/L	ND	ND	1.0 11/15/10 17:14	

LABORATORY CONTROL SAMPLE: 736063

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	5.0	100	90-110	
Sulfate	mg/L	5	4.7	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 736064 736065

Parameter	Units	MS Spike Result	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	ND	50	50	46.4	47.0	91	92	1	10	
Sulfate	mg/L	136	50	50	179	181	84	89	1	10	

QUALITY CONTROL DATA

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

QC Batch: WETA/14691 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6088540001, 6088540002

METHOD BLANK: 733187 Matrix: Water

Associated Lab Samples: 6088540001, 6088540002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	11/10/10 13:58	

LABORATORY CONTROL SAMPLE: 733188

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	101	90-110	

MATRIX SPIKE SAMPLE: 733190

Parameter	Units	6088712002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.3	64	90-110 M0	

MATRIX SPIKE SAMPLE: 733191

Parameter	Units	6088496002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	97	90-110	

SAMPLE DUPLICATE: 733189

Parameter	Units	6088872001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	4640	4600	1	18	

Date: 11/16/2010 10:15 AM

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QUALITY CONTROL DATA

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

QC Batch: WETA/14642 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6088540001, 6088540002

METHOD BLANK: 730482 Matrix: Water

Associated Lab Samples: 6088540001, 6088540002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	11/09/10 16:04	

LABORATORY CONTROL SAMPLE: 730483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.0	100	90-110	

MATRIX SPIKE SAMPLE: 730485

Parameter	Units	6088299002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.9	2	3.7	41	72-121	M0

MATRIX SPIKE SAMPLE: 730486

Parameter	Units	6088244001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	0.47	23	72-121	M0

SAMPLE DUPLICATE: 730484

Parameter	Units	6088251001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND		15	

QUALIFIERS

Project: MONTHLY NPDES 11/1/10
Pace Project No.: 6088540

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PAS1-K Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Date: 11/16/2010 10:15 AM

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Section A Required Client Information: Section B Required Project Information: Section C Invoice Information:

Company:	FI MO Remediation Trust	Report To:	Keith Brown	Attention:	
Address:	4400 College Blvd Joplin, MO 64801	Copy To:	Doug Engel, Kamyar Manesh	Company Name:	
Email To:	kamyar.manesh@shawgrp.com	Purchase Order No.:	561349	Address:	
Phone:		Project Name:	Monthly NPDES	Pace Quote Reference:	
Requested Due Date/TAT:		Project Number:		Pace Project Manager:	Sherri Guess
				Pace Profile #:	76
			REGULATORY AGENCY		
			<input checked="" type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER		
			<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER		
			Site Location		
			STATE: MO		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIFE WP AIR AR OTHER OT Tissue TS	COLLECTED COMPOSITE START COMPOSITE END/GRAB	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Analysis Test pH T. Suspended Solids Nitrate Sulfate T. Phosphorus Fluoride Ammonia	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.
1	SL001			1-18-11 1430	3	2	1			02514 G-1
2	WT003			1-18-11 1420	3	2	1			02514 G-1
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
ADDITIONAL COMMENTS										
RELINQUISHED BY / AFFILIATION										
ACCEPTED BY / AFFILIATION										
DATE										
TIME										
DATE										
TIME										
SAMPLE CONDITIONS										

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	M. Michael Heavily
SIGNATURE of SAMPLER:	M. Michael Heavily
DATE Signed (MM/DD/YY):	1-18-11
Temp in °C	
Received on Ice (Y/N)	
Custody Sealed/Codler (Y/N)	
Samples Intact (Y/N)	

Sample Condition Upon Receipt



Client Name: FL No Remd Project # 6092621

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other EC

Tracking #: _____ Pace Shipping Label Used? ☐ Yes ☒ No

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ No

Proj. Due Date:	2/4
Proj. Name:	

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Foam ☒ None ☐ Other _____

Thermometer Used: T-191 / T-194 Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 2.4

Temperature should be above freezing to 6°C

Comments: _____

Date and Initials of person examining contents: ec 1/24/11

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>NO receipt of hold</u>
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>Phenols</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Filtered volume received for dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
-Includes date/time/ID/analyses Matrix: <u>est</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	17. List State: _____
Exceptions: VOA, coliform, TOC, O&G, WH-DRO (water), Phenolics	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank lot # (if purchased): _____	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/Resolution: _____ Copy COC to Client? ☒ Y ☐ N

Person Contacted: Kathy Brown Date/Time: 1.24.11 Field Data Required? ☐ Y ☐ N

Comments/Resolution: last message regarding NO3 received out back of hold. Per client, advance, will resample.

Project Manager Review: [Signature] Date: 1-24-11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

February 04, 2011

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 6092621

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on January 21, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 6092621

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 6092621

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6092621001	SL001	Water	01/18/11 14:30	01/21/11 22:45
6092621002	WT003	Water	01/18/11 14:20	01/21/11 22:45

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 6092621

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
6092621001	SL001	SM 2540D	JPF	1	PASI-K
		SM 4500-H+B	CMG	1	PASI-K
		EPA 300.0	JML	1	PASI-K
		EPA 300.0	JML	2	PASI-K
		EPA 350.1	AJM	1	PASI-K
		EPA 365.4	RAB	1	PASI-K
		SM 2540D	JPF	1	PASI-K
		SM 4500-H+B	CMG	1	PASI-K
		EPA 300.0	JML	1	PASI-K
		EPA 300.0	JML	2	PASI-K
6092621002	WT003	EPA 350.1	AJM	1	PASI-K
		EPA 365.4	RAB	1	PASI-K
		SM 2540D	JPF	1	PASI-K
		SM 4500-H+B	CMG	1	PASI-K

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 6092621

Sample: SL001	Lab ID: 6092621001	Collected: 01/18/11 14:30	Received: 01/21/11 22:45	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared Analyzed CAS No. Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D				
Total Suspended Solids	ND	mg/L	5.0	1	01/24/11 12:48
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B				
pH at 25 Degrees C	7.8	Std. Units	0.10	1	01/22/11 11:20 H6
300.0 IC Anions	Analytical Method: EPA 300.0				
Nitrate as N	1.0	mg/L	0.10	1	02/02/11 11:20 14797-55-8 H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0				
Fluoride	1.1	mg/L	0.20	1	02/02/11 11:20 16984-48-8
Sulfate	153	mg/L	20.0	20	02/02/11 11:34 14808-79-8
350.1 Ammonia	Analytical Method: EPA 350.1				
Nitrogen, Ammonia	1.5	mg/L	0.10	1	02/01/11 13:32 7664-41-7
365.4 Total Phosphorus	Analytical Method: EPA 365.4				
Phosphorus	0.38	mg/L	0.10	1	01/25/11 11:38 7723-14-0
Sample: WT003	Lab ID: 6092621002	Collected: 01/18/11 14:20		Received: 01/21/11 22:45	Matrix: Water
Parameters	Results	Units	Report Limit	DF	Prepared Analyzed CAS No. Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D				
Total Suspended Solids	ND	mg/L	5.0	1	01/24/11 12:48
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B				
pH at 25 Degrees C	6.7	Std. Units	0.10	1	01/22/11 11:20 H6
300.0 IC Anions	Analytical Method: EPA 300.0				
Nitrate as N	3.8	mg/L	0.10	1	02/02/11 12:42 14797-55-8 H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0				
Fluoride	5.6	mg/L	0.20	1	02/02/11 12:42 16984-48-8
Sulfate	693	mg/L	50.0	50	02/02/11 12:56 14808-79-8
350.1 Ammonia	Analytical Method: EPA 350.1				
Nitrogen, Ammonia	12.0	mg/L	0.50	1	02/01/11 13:33 7664-41-7
365.4 Total Phosphorus	Analytical Method: EPA 365.4				
Phosphorus	0.11	mg/L	0.10	1	01/25/11 11:39 7723-14-0

Date: 02/04/2011 10:24 AM

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6092621

QC Batch:	WET/27378	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	6092621001, 6092621002		

METHOD BLANK: 763253 Matrix: Water

Associated Lab Samples: 6092621001, 6092621002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	01/24/11 12:46	

SAMPLE DUPLICATE: 763254

Parameter	Units	6092590001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	11.0	10	10	25	

SAMPLE DUPLICATE: 763255

Parameter	Units	6092504006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND	ND	25	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6092621

QC Batch:	WET/27370	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	6092621001, 6092621002		

SAMPLE DUPLICATE: 763070

Parameter	Units	6092622001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
pH at 25 Degrees C	Std. Units	7.9	7.9	0	5	H6

Date: 02/04/2011 10:24 AM

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6092621

QC Batch:	WETA/15378	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	6092621001, 6092621002		

METHOD BLANK: 767178 Matrix: Water

Associated Lab Samples: 6092621001, 6092621002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	02/02/11 10:26	

LABORATORY CONTROL SAMPLE: 767179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.7	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 767180

Parameter	Units	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MSD % Rec Limits	MSD RPD	MSD Max RPD	Qual
Nitrate as N	mg/L	1.0	5	5	5.5	5.4	90	89	68-120	1	16

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6092621

QC Batch: WETA/15353 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6092621001, 6092621002

METHOD BLANK: 766581 Matrix: Water

Associated Lab Samples: 6092621001, 6092621002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	ND	0.20 02/02/11 10:26	
Sulfate	mg/L	ND	ND	1.0 02/02/11 10:26	

LABORATORY CONTROL SAMPLE: 766582

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	4.7	94	90-110	
Sulfate	mg/L	5	4.7	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 766583 766584

Parameter	Units	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	1.1	5	5.5	5.5	89	88	75-110	1	10	
Sulfate	mg/L	153	100	242	240	89	86	61-119	1	10	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6092621

QC Batch: WETA/15342 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6092621001, 6092621002

METHOD BLANK: 766390 Matrix: Water

Associated Lab Samples: 6092621001, 6092621002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	02/01/11 13:20	

LABORATORY CONTROL SAMPLE: 766391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	107	90-110	

MATRIX SPIKE SAMPLE: 766393

Parameter	Units	6092537001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.20	2	2.0	89	90-110	M0

MATRIX SPIKE SAMPLE: 766394

Parameter	Units	6092852001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.9	93	90-110	

SAMPLE DUPLICATE: 766392

Parameter	Units	6092536001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	4.1	4.1	1	18	

Date: 02/04/2011 10:24 AM

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6092621

QC Batch: WETA/15275 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6092621001, 6092621002

METHOD BLANK: 763222 Matrix: Water

Associated Lab Samples: 6092621001, 6092621002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	01/25/11 11:13	

LABORATORY CONTROL SAMPLE: 763223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	106	90-110	

MATRIX SPIKE SAMPLE: 763224

Parameter	Units	6092473001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1.5	2	3.6	105	72-121	

MATRIX SPIKE SAMPLE: 763226

Parameter	Units	6092545002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	7.1	10	16.4	93	72-121	

SAMPLE DUPLICATE: 763225

Parameter	Units	6092533003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	4.3	4.2	3	15	

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QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 6092621

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASL-K Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Date: 02/04/2011 10:24 AM

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CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	FI MO Remediation Trust	Report To:	Keith Brown	Attention:	
Address:	4400 College Blvd	Copy To:	Doug Engel, Kamyar Manesh	Company Name:	
	Joplin, MO 64801	Purchase Order No.:	561349	Address:	
Email To:	kamyar.manesh@shawgrp.com	Project Name:	Monthly NPDES	Pace Quote Reference:	
Phone:		Project Number:		Pace Project Manager:	Sherril Guess
Fax:		Requested Due Date/TAT:		Pace Profile #:	76
				REGULATORY AGENCY	<input checked="" type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
				Site Location	MO
				STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DWM WWT WW P SL OL WIP AK AT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					DATE	TIME	DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other				
1	SL001	WW			2-15-11	1045		3	2	1							x	x		
2	WT003	WW			2-15-11	1030		3	2	1							x	x		
3																	x	x		
4																	x	x		
5																	x	x		
6																	x	x		
7																	x	x		
8																	x	x		
9																	x	x		
10																	x	x		
11																	x	x		
12																	x	x		
ADDITIONAL COMMENTS																				
REINQUISHED BY / AFFILIATION																				
DATE																				
TIME																				
ACCEPTED BY / AFFILIATION																				
DATE																				
TIME																				
SAMPLE CONDITIONS																				

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Matthew H. Manesh
SIGNATURE of SAMPLER:	<i>Matthew H. Manesh</i>
DATE Signed (MM/DD/YY):	2-15-11

Temp in °C	
Received on Ice (Y/N)	Y
Custody Sealed Cooler (Y/N)	Y
Samples Intact (Y/N)	Y

Sample Condition Upon Receipt

Pace Analytical
www.pacelabs.com

Client Name: FE no Remediation Project # 6093598

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other ELI

Tracking #: _____ Pace Shipping Label Used? ☐ Yes ☐ No

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals Intact: ☒ Yes ☐ No

Optional	Proj. Due Date:
	3/1
Proj. Name:	

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Foam ☒ None ☐ Other _____

Thermometer Used: T-191 T-194 Type of Ice Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 0.5 Temperature should be above freezing to 6°C

Comments: _____ Date and Initials of person examining contents: 2/16/11

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>No 3, pH</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace containers used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
-Includes date/time/ID/analyses Matrix: <u>WT</u>		
All containers needing preservation have been checked:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed <u>1/9</u> Lot # of added preservative _____
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Pace Trip Blank lot # (if purchased): _____		
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: _____

Client Notification/ Resolution: _____ Copy COC to Client? ☒ Y ☐ N Field Data Required? ☐ Y ☐ N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 2/16/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

March 01, 2011

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 6093598

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on February 15, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 6093598

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 6093598

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6093598001	SL001	Water	02/15/11 10:45	02/15/11 23:05
6093598002	WT003	Water	02/15/11 10:30	02/15/11 23:05

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 6093598

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
6093598001	SL001	SM 2540D	JPF	1	PASI-K
		SM 4500-H+B	SRM1	1	PASI-K
		EPA 300.0	JML	1	PASI-K
		EPA 300.0	JML	2	PASI-K
		EPA 350.1	CMG	1	PASI-K
		EPA 365.4	CMG	1	PASI-K
		SM 2540D	JPF	1	PASI-K
		SM 4500-H+B	SRM1	1	PASI-K
		EPA 300.0	JML	1	PASI-K
		EPA 300.0	JML	2	PASI-K
6093598002	WT003	EPA 350.1	CMG	1	PASI-K
		EPA 365.4	CMG	1	PASI-K
		SM 2540D	JPF	1	PASI-K
		SM 4500-H+B	SRM1	1	PASI-K

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 6093598

Sample: SL001		Lab ID: 6093598001	Collected: 02/15/11 10:45	Received: 02/15/11 23:05	Matrix: Water				
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D							
Total Suspended Solids		11.0	mg/L	5.0	1		02/17/11 14:40		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B							
pH at 25 Degrees C		7.3	Std. Units	0.10	1		02/16/11 14:40		H6
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N		0.99	mg/L	0.10	1		02/16/11 22:05	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Fluoride		0.43	mg/L	0.20	1		02/26/11 16:46	16984-48-8	
Sulfate		76.4	mg/L	20.0	20		02/26/11 17:28	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia		ND	mg/L	0.10	1		02/23/11 17:22	7664-41-7	
365.4 Total Phosphorus		Analytical Method: EPA 365.4							
Phosphorus		0.58	mg/L	0.10	1		02/17/11 15:48	7723-14-0	
Sample: WT003		Lab ID: 6093598002	Collected: 02/15/11 10:30		Received: 02/15/11 23:05		Matrix: Water		
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D							
Total Suspended Solids		ND	mg/L	5.0	1		02/17/11 14:40		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B							
pH at 25 Degrees C		6.3	Std. Units	0.10	1		02/16/11 14:40		H6
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N		1.1	mg/L	0.10	1		02/16/11 21:20	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Fluoride		0.59	mg/L	0.20	1		02/26/11 17:42	16984-48-8	
Sulfate		255	mg/L	50.0	50		02/26/11 17:57	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia		0.47	mg/L	0.10	1		02/23/11 18:19	7664-41-7	
365.4 Total Phosphorus		Analytical Method: EPA 365.4							
Phosphorus		ND	mg/L	0.10	1		02/17/11 15:50	7723-14-0	

Date: 03/01/2011 12:25 PM

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6093598

QC Batch:	WET/27712	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	6093598001		

METHOD BLANK: 772179 Matrix: Water
Associated Lab Samples: 6093598001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	02/17/11 14:36	

SAMPLE DUPLICATE: 772180					
Parameter	Units	6093689001 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	170	175	3	25

SAMPLE DUPLICATE: 772183					
Parameter	Units	6093592001 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	41.0	38.0	8	25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6093598

QC Batch:	WET/27713	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	6093598002		

METHOD BLANK: 772196 Matrix: Water
Associated Lab Samples: 6093598002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	02/17/11 14:40	

SAMPLE DUPLICATE: 772197					
Parameter	Units	6093598002 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	ND	ND		25

SAMPLE DUPLICATE: 772198					
Parameter	Units	6093626001 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	67.0	68.0	1	25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6093598

QC Batch:	WET/27690	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	6093598001, 6093598002		

SAMPLE DUPLICATE: 771483

Parameter	Units	6093595002	Dup		RPD	Max RPD	Qualifiers
		Result	Result	Result			
pH at 25 Degrees C		7.6	7.6		1	5 H6	

Date: 03/01/2011 12:25 PM

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6093598

QC Batch: WETA/15457 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6093598001, 6093598002

METHOD BLANK: 771534 Matrix: Water

Associated Lab Samples: 6093598001, 6093598002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	02/16/11 17:47	

LABORATORY CONTROL SAMPLE: 771535

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.5	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 771536

Parameter	Units	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MSD RPD	MSD Max RPD	Qual
Nitrate as N	mg/L	6.4	10	10	15.5	15.8	91	94	68-120	2 16

MATRIX SPIKE SAMPLE: 771538

Parameter	Units	6093556002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	9.1	5	14.5	107	68-120	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6093598

QC Batch: WETA/15534 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 6093598001, 6093598002

METHOD BLANK: 776283 Matrix: Water

Associated Lab Samples: 6093598001, 6093598002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.20	02/26/11 14:52	
Sulfate	mg/L	ND	1.0	02/26/11 14:52	

LABORATORY CONTROL SAMPLE: 776284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	4.8	97	90-110	
Sulfate	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 776287

Parameter	Units	6093622001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	3.1	5	7.8	95	75-110	
Sulfate	mg/L	2.7	5	7.5	97	61-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 776288 776289

Parameter	Units	6093696001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	0.29	5	5	5.0	5.0	94	95	75-110	1	10	
Sulfate	mg/L	12.3	5	5	17.3	17.4	99	101	61-119	1	10	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6093598

QC Batch: WETA/15490 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 6093598001, 6093598002

METHOD BLANK: 774289 Matrix: Water

Associated Lab Samples: 6093598001, 6093598002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	02/23/11 16:52	

LABORATORY CONTROL SAMPLE: 774290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	101	90-110	

MATRIX SPIKE SAMPLE: 774291

Parameter	Units	6093333002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5.6	20	34.4	144	90-110 MO	

MATRIX SPIKE SAMPLE: 774293

Parameter	Units	6093538001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.2	61	90-110 MO	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6093598

QC Batch: WETA/15463 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6093598001, 6093598002

METHOD BLANK: 771779 Matrix: Water

Associated Lab Samples: 6093598001, 6093598002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	02/17/11 15:22	

LABORATORY CONTROL SAMPLE: 771780

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 771781

Parameter	Units	6093400003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.2	2	4.0	88	72-121	

MATRIX SPIKE SAMPLE: 771783

Parameter	Units	6093601001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1.3	2	3.2	100	72-121	

SAMPLE DUPLICATE: 771782

Parameter	Units	6093401002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	15.2	14.4	6	15	

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 6093598

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASL-K Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Date: 03/01/2011 12:25 PM

REPORT OF LABORATORY ANALYSIS

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May 20, 2005

Mr. KAMYAR MANESH
FI MISSOURI REMEDIATION TRUST
103 W. 26TH
KANSAS CITY, MO 64116

RE: Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Dear Mr. MANESH:

Enclosed are the analytical results for sample(s) received by the laboratory on May 4, 2005. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,



Connie Gardner
connie.gardner@pacelabs.com
Project Manager

Kansas/NELAP Certification Number E-10116

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Project		Sample		Client Sample ID		Matrix	Date Collected	Date Received
Sample Number	Number							
6094592-001	608125001			SI001		Water	05/02/05 08:15	05/04/05 06:10
6094592-002	608125019			WT003		Water	05/02/05 08:25	05/04/05 06:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Project			Analytes	
Sample Number	Sample No	Client Sample ID	Analysis Code	Reported
6094592-001	608125001	SL001	1501 EPA	1
			1602 WEPA	1
			3000 WNO3	1
			3000 WPAC	2
			3501 WEPA	1
			3532 WEPA	1
			3654T WEPA	1
			1501 EPA	1
			1602 WEPA	1
			3000 WNO3	1
6094592-002	608125019	WT003	3000 WPAC	2
			3501 WEPA	1
			3532 WEPA	1
			3654T WEPA	1
			1501 EPA	1
			1602 WEPA	1
6094592-002	608125019	WT003	3000 WNO3	1
			3000 WPAC	2
			3501 WEPA	1
			3532 WEPA	1
			3654T WEPA	1
			1501 EPA	1

Analysis Description	Reported
pH	1
Total Suspended Solids	1
Anions IC 48hr Water	1
Anions, Ion Chromatography	2
Ammonia	1
Nitrogen, Nitrate plus Nitrite	1
Phosphorus, Total	1
pH	1
Total Suspended Solids	1
Anions IC 48hr Water	1
Anions, Ion Chromatography	2
Ammonia	1
Nitrogen, Nitrate plus Nitrite	1
Phosphorus, Total	1

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Lab Sample No: 608125001	Project Sample Number: 6094592-001	Date Collected: 05/02/05 08:15
Client Sample ID: SL001	Matrix: Water	Date Received: 05/04/05 06:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLimit
Wet Chemistry								
pH	Method: EPA 150.1 7.97			05/04/05	MR1		1	
Total Suspended Solids	Method: EPA 160.2 ND	mg/l	5.00	05/09/05	MR1			
Anions IC 48hr Water	Method: EPA 300.0 1.13	mg/l	1.00	05/04/05 11:47	PDA		2	
Anions, Ion Chromatography	Method: EPA 300.0 1.21	mg/l	0.200	05/19/05 18:12	PDA	16984-48-8		
Sulfate	147.	mg/l	10.0	05/19/05 18:12	PDA	14808-79-8		
Ammonia	Method: EPA 350.1 3.32	mg/l	0.200	05/06/05	KNS	7727-37-9		
Nitrogen, Ammonia								
Nitrogen, Nitrate plus Nitrite	Method: EPA 353.2 1.65	mg/l	0.500	05/16/05	KNS			
Nitrogen, NO2 plus NO3								
Phosphorus, Total	Method: EPA 365.4 1.43	mg/l	0.500	05/10/05	ACM	7723-14-0		
Phosphorus								

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Lab Sample No: 608125019 Project Sample Number: 6094592-002 Date Collected: 05/02/05 08:25
Client Sample ID: WT003 Matrix: Water Date Received: 05/04/05 06:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLimit
Wet Chemistry								
pH	Method: EPA 150.1 7.27			05/04/05	MR1		1	
Total Suspended Solids	Method: EPA 160.2							
Total Suspended Solids	ND	mg/l	5.00	05/09/05	MR1			
Anions IC 48hr Water	Method: EPA 300.0							
Nitrate as N	2.80	mg/l	1.00	05/04/05 11:59	PDA		2	
Anions, Ion Chromatography	Method: EPA 300.0							
Fluoride	2.96	mg/l	0.200	05/19/05 19:02	PDA	16984-48-8		
Sulfate	675.	mg/l	20.0	05/19/05 19:02	PDA	14808-79-8		
Ammonia	Method: EPA 350.1							
Nitrogen, Ammonia	19.7	mg/l	2.00	05/06/05	KNS	7727-37-9		
Nitrogen, Nitrate plus Nitrite	Method: EPA 353.2							
Nitrogen, NO2 plus NO3	3.55	mg/l	1.00	05/16/05	KNS			
Phosphorus, Total	Method: EPA 365.4							
Phosphorus	0.536	mg/l	0.500	05/10/05	ACM	7723-14-0		

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Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

PARAMETER FOOTNOTES

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
[1]	pH analysis initiated more than 15 minutes from sample collection.
[2]	Analysis conducted in excess of EPA recommended holding time.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193438	Analysis Method: EPA 150.1
QC Batch Method: EPA 150.1	Analysis Description: pH
Associated Lab Samples:	608125001 608125019

SAMPLE DUPLICATE: 608128013

Parameter	Units	608125001	DUP	Max		Footnotes
		Result	Result	RPD	RPD	
pH		7.970	7.960	0	10	1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193772	Analysis Method: EPA 160.2
QC Batch Method: EPA 160.2	Analysis Description: Total Suspended Solids
Associated Lab Samples:	608125001 608125019

METHOD BLANK: 608142709	608125001	608125019
Associated Lab Samples:		

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Total Suspended Solids	mg/l	ND	5.00	

SAMPLE DUPLICATE: 608142717

Parameter	Units	608126066 Result	DUP Result	RPD NC	Max RPD 18	Footnotes
Total Suspended Solids	mg/l	ND	ND			

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193396 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: Anions IC 48hr Water
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608125563
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank	Reporting
		Result	Limit Footnotes
Nitrate as N	mg/l	ND	1.00

LABORATORY CONTROL SAMPLE: 608125571

Parameter	Units	Spike	LCS	LCS	% Rec	Limits	Footnotes
		Conc.	Result	Result	% Rec	Limits	Footnotes
Nitrate as N	mg/l	25.00	25.85	103	90-110		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608125589 608125597

Parameter	Units	608122420	Spike	MS	MSD	MS	MSD	% Rec	RPD	Max
		Result	Conc.	Result	Result	% Rec	Result	% Rec	RPD	Footnotes
Nitrate as N	mg/l	19.94	25.00	50.72	47.32	123	110	90-110	7	2

SAMPLE DUPLICATE: 608125605

Parameter	Units	608123022	DUP	RPD	Max
		Result	Result	RPD	Footnotes
Nitrate as N	mg/l	1.570	1.450	8	10

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193598 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: Nitrogen, Nitrate plus Nitrite
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608134284
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank	Reporting
		Result	Limit Footnotes
Nitrogen, NO2 plus NO3	mg/l	ND	0.500

LABORATORY CONTROL SAMPLE: 608134292

Parameter	Units	Spike	LCS	LCS	% Rec	Limits	Footnotes
		Conc.	Result	% Rec	Limits	Footnotes	
Nitrogen, NO2 plus NO3	mg/l	2.000	2.200	110	90-110		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608134300 608134318

Parameter	Units	608128658	Spike	MS	MSD	MS	MSD	% Rec	RPD	Max	Footnotes
		Result	Conc.	Result	Result	% Rec	Result	% Rec	RPD	RPD	Footnotes
Nitrogen, NO2 plus NO3	mg/l	17.62	10.00	26.75	26.92	91	93	90-110	1		

SAMPLE DUPLICATE: 608134326

Parameter	Units	608099776	DUP	RPD	Max	Footnotes
		Result	Result	RPD	RPD	Footnotes
Nitrogen, NO2 plus NO3	mg/l	0.2430	0.3080	0	20	

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193646 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: Ammonia
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608136933
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank		Reporting	
		Result	Limit	Footnotes	
Nitrogen, Ammonia	mg/l	ND	0.200		

LABORATORY CONTROL SAMPLE: 608136941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes

MATRIX SPIKE: 608136966

Parameter	Units	608128955		Spike Conc.	MS Result	MS % Rec	% Rec Limits	Footnotes
		Result	Conc.					
Nitrogen, Ammonia	mg/l	41.56	20.00		62.25	103	90-110	

SAMPLE DUPLICATE: 608136958

Parameter	Units	608128955		DUP	RPD	Max RPD	Footnotes
		Result	Conc.				
Nitrogen, Ammonia	mg/l	41.60	41.30		1	20	

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193840 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: Phosphorus, Total
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608144754
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank	Reporting
		Result	Limit Footnotes
Phosphorus	mg/l	ND	0.500

LABORATORY CONTROL SAMPLE: 608144762

Parameter	Units	Spike	LCS	LCS	% Rec	% Rec	Footnotes
		Conc.	Result	Result	% Rec	Limits	Footnotes
Phosphorus	mg/l	2.000	1.926	96	86-117		

MATRIX SPIKE: 608144770

Parameter	Units	608133518	Spike	MS	MS	% Rec	% Rec	Footnotes
		Result	Conc.	Result	% Rec	Limits	Footnotes	
Phosphorus	mg/l	1.001	2.000	3.083	104	61-134		

SAMPLE DUPLICATE: 608144788

Parameter	Units	608133559	DUP	RPD	Max	Footnotes
		Result	Result	RPD	RPD	Footnotes
Phosphorus	mg/l	1.900	1.870	2	17	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 194625 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: Anions, Ion Chromatography
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608175832
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank		Reporting	
		Result	Limit	Footnotes	
Fluoride	mg/l	ND	0.200		
Sulfate	mg/l	ND	1.00		

LABORATORY CONTROL SAMPLE: 608175840

Parameter	Units	Spike		LCS		LCS		% Rec	% Rec	Footnotes
		Conc.	Result	Conc.	Result	% Rec	Limits			
Fluoride	mg/l	20.00	19.18			96	90-110			
Sulfate	mg/l	150.00	145.9			97	90-110			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608175857 608175865

Parameter	Units	608137659		Spike		MS		MSD		MS		MSD		% Rec		% Rec		Footnotes
		Result	Conc.	Result	Conc.	Result	% Rec	Result	% Rec	Result	% Rec	Result	% Rec	Limits	RPD	RPD	Max	
Fluoride	mg/l	2.768	50.00			56.21	54.47	107	103					90-110	3			
Sulfate	mg/l	607.7	50.00	617.6	600.8	20	0	90-110	3									3

SAMPLE DUPLICATE: 608175873

Parameter	Units	608137675		DUP		RPD		Max		Footnotes
		Result	Conc.	Result	Conc.	RPD	RPD	RPD	RPD	
Fluoride	mg/l	4.070	4.260			5	10			
Sulfate	mg/l	565.0	571.0			1	10			

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Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] pH analysis initiated more than 15 minutes from sample collection.
[2] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the analytical system was in control.
[3] The sample matrix affected the Matrix Spike and Matrix Spike Duplicate (MS/MSD) compound recovery. The successful recovery of the Laboratory Control Sample (LCS) demonstrates the analytical system was in control for this QA/QC sample group.

REPORT OF LABORATORY ANALYSIS

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May 20, 2005

Mr. DOUG ENGEL
PCS PHOSPHATE COMPANY, INC.
PO BOX 225
301 STATE LINE AVE.
JOPLIN, MO 64802

RE: Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Dear Mr. ENGEL:

Enclosed are the analytical results for sample(s) received by the laboratory on May 4, 2005. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,



Connie Gardner
connie.gardner@pacelabs.com
Project Manager

Kansas/NELAP Certification Number E-10116

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Project	Sample		Client Sample ID	Matrix	Date Collected	Date Received
	Sample Number	Number				
6094592-001	608125001	SI001	Water	05/02/05 08:15	05/04/05 06:10	
6094592-002	608125019	WT003	Water	05/02/05 08:25	05/04/05 06:10	

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Project			Analysis		Analytes	
Sample Number	Sample No	Client Sample ID	Code	Analysis Description	Reported	
6094592-001	608125001	SL001	1501 EPA	pH	1	
			1602 WEPA	Total Suspended Solids	1	
			3000 WNO3	Anions IC 48hr Water	1	
			3000 WPAC	Anions, Ion Chromatography	2	
			3501 WEPA	Ammonia	1	
			3532 WEPA	Nitrogen, Nitrate plus Nitrite	1	
			3654T WEPA	Phosphorus, Total	1	
6094592-002	608125019	WT003	1501 EPA	pH	1	
			1602 WEPA	Total Suspended Solids	1	
			3000 WNO3	Anions IC 48hr Water	1	
			3000 WPAC	Anions, Ion Chromatography	2	
			3501 WEPA	Ammonia	1	
			3532 WEPA	Nitrogen, Nitrate plus Nitrite	1	
			3654T WEPA	Phosphorus, Total	1	

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Lab Sample No: 608125001	Project Sample Number: 6094592-001	Date Collected: 05/02/05 08:15
Client Sample ID: SL001	Matrix: Water	Date Received: 05/04/05 06:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLimit
Wet Chemistry								
pH	Method: EPA 150.1 7.97			05/04/05	MR1		1	
Total Suspended Solids	Method: EPA 160.2 ND	mg/l	5.00	05/09/05	MR1			
Anions IC 48hr Water	Method: EPA 300.0 1.13	mg/l	1.00	05/04/05 11:47	PDA		2	
Anions, Ion Chromatography	Method: EPA 300.0 1.21	mg/l	0.200	05/19/05 18:12	PDA	16984-48-8		
Fluoride	147.	mg/l	10.0	05/19/05 18:12	PDA	14808-79-8		
Sulfate								
Ammonia	Method: EPA 350.1 3.32	mg/l	0.200	05/06/05	KNS	7727-37-9		
Nitrogen, Ammonia								
Nitrogen, Nitrate plus Nitrite	Method: EPA 353.2 1.65	mg/l	0.500	05/16/05	KNS			
Nitrogen, NO2 plus NO3								
Phosphorus, Total	Method: EPA 365.4 1.43	mg/l	0.500	05/10/05	ACM	7723-14-0		
Phosphorus								

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

Lab Sample No: 608125019	Project Sample Number: 6094592-002	Date Collected: 05/02/05 08:25
Client Sample ID: WT003	Matrix: Water	Date Received: 05/04/05 06:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLimit
Wet Chemistry								
pH	Method: EPA 150.1 7.27			05/04/05	MR1		1	
Total Suspended Solids	Method: EPA 160.2 ND	mg/l	5.00	05/09/05	MR1			
Anions IC 48hr Water	Method: EPA 300.0 2.80	mg/l	1.00	05/04/05 11:59	PDA		2	
Anions, Ion Chromatography								
Fluoride	Method: EPA 300.0 2.96	mg/l	0.200	05/19/05 19:02	PDA	16984-48-8		
Sulfate	675.	mg/l	20.0	05/19/05 19:02	PDA	14808-79-8		
Ammonia								
Nitrogen, Ammonia	Method: EPA 350.1 19.7	mg/l	2.00	05/06/05	KNS	7727-37-9		
Nitrogen, Nitrate plus Nitrite								
Nitrogen, NO2 plus NO3	Method: EPA 353.2 3.55	mg/l	1.00	05/16/05	KNS			
Phosphorus, Total								
Phosphorus	Method: EPA 365.4 0.536	mg/l	0.500	05/10/05	ACM	7723-14-0		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

PARAMETER FOOTNOTES

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
[1]	pH analysis initiated more than 15 minutes from sample collection.
[2]	Analysis conducted in excess of EPA recommended holding time.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193438	Analysis Method: EPA 150.1
QC Batch Method: EPA 150.1	Analysis Description: pH
Associated Lab Samples:	608125001 608125019

SAMPLE DUPLICATE: 608128013

Parameter	Units	608125001	DUP	Max		Footnotes
		Result	Result	RPD	RPD	
pH		7.970	7.960	0	10	1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193772	Analysis Method: EPA 160.2
QC Batch Method: EPA 160.2	Analysis Description: Total Suspended Solids
Associated Lab Samples:	608125001 608125019

METHOD BLANK: 608142709	608125001	608125019
Associated Lab Samples:		

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Total Suspended Solids	mg/l	ND	5.00	

SAMPLE DUPLICATE: 608142717

Parameter	Units	608126066 Result	DUP Result	RPD NC	Max RPD 18	Footnotes
Total Suspended Solids	mg/l	ND	ND			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193396 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: Anions IC 48hr Water
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608125563
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank	Result	Limit	Reporting	Footnotes
Nitrate as N	mg/l	ND			1.00	

LABORATORY CONTROL SAMPLE: 608125571

Parameter	Units	Spike	Conc.	LCS	Result	% Rec	Limits	Footnotes
Nitrate as N	mg/l		25.00		25.85	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608125589 608125597

Parameter	Units	608122420	Spike	Conc.	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Footnotes
Nitrate as N	mg/l		19.94		25.00	50.72	47.32	123	110	90-110	7	2	

SAMPLE DUPLICATE: 608125605

Parameter	Units	608123022	DUP	Result	RPD	Max	Footnotes
Nitrate as N	mg/l		1.570		1.450	8	10

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193598 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: Nitrogen, Nitrate plus Nitrite
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608134284
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank		Reporting	
		Result	Limit	Footnotes	
Nitrogen, NO2 plus NO3	mg/l	ND		0.500	

LABORATORY CONTROL SAMPLE: 608134292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Footnotes
Nitrogen, NO2 plus NO3	mg/l	2.000	2.200	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608134300 608134318

Parameter	Units	608128658 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	Limits RPD	Max RPD	Footnotes
Nitrogen, NO2 plus NO3	mg/l	17.62	10.00	26.75	26.92	91	93	90-110	1	

SAMPLE DUPLICATE: 608134326

Parameter	Units	608099776 Result	DUP Result	RPD	Max RPD	Footnotes
Nitrogen, NO2 plus NO3	mg/l	0.2430	0.3080	0	20	

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193646 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: Ammonia
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608136933
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank		Reporting	
		Result	Limit	Footnotes	
Nitrogen, Ammonia	mg/l	ND		0.200	

LABORATORY CONTROL SAMPLE: 608136941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	% Rec Footnotes
Nitrogen, Ammonia	mg/l	3.000	3.225	108	90-110	

MATRIX SPIKE: 608136966

Parameter	Units	608128955		Spike Conc.	MS Result	MS % Rec	% Rec Limits	% Rec Footnotes
		Result						
Nitrogen, Ammonia	mg/l	41.56		20.00	62.25	103	90-110	

SAMPLE DUPLICATE: 608136958

Parameter	Units	608128955		DUP Result	RPD	Max RPD	Footnotes
		Result					
Nitrogen, Ammonia	mg/l	41.60		41.30	1	20	

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 193840 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: Phosphorus, Total
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608144754
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank	Result	Reporting	Limit	Footnotes
Phosphorus	mg/l	ND		0.500		

LABORATORY CONTROL SAMPLE: 608144762

Parameter	Units	Spike	Conc.	LCS	Result	% Rec	Limits	Footnotes
Phosphorus	mg/l	2.000		1.926		96	86-117	

MATRIX SPIKE: 608144770

Parameter	Units	608133518	Spike	Conc.	MS	Result	% Rec	MS	% Rec	Limits	Footnotes
Phosphorus	mg/l	1.001		2.000		3.083	104	61-134			

SAMPLE DUPLICATE: 608144788

Parameter	Units	608133559	DUP	Result	RPD	Max	Footnotes
Phosphorus	mg/l	1.900		1.870	2	17	

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QUALITY CONTROL DATA

Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QC Batch: 194625 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: Anions, Ion Chromatography
Associated Lab Samples: 608125001 608125019

METHOD BLANK: 608175832
Associated Lab Samples: 608125001 608125019

Parameter	Units	Blank		Reporting	
		Result	Limit	Footnotes	
Fluoride	mg/l	ND	0.200		
Sulfate	mg/l	ND	1.00		

LABORATORY CONTROL SAMPLE: 608175840

Parameter	Units	Spike		ICS		ICS		% Rec	
		Conc.	Result	Conc.	Result	% Rec	Limits	Footnotes	
Fluoride	mg/l	20.00	19.18			96	90-110		
Sulfate	mg/l	150.00	145.9			97	90-110		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608175857 608175865

Parameter	Units	608137659		Spike		MS		MSD		MS		MSD		% Rec		Limits		RPD		Max	
		Result	Conc.	Result	Conc.	Result	% Rec	Result	% Rec	Result	% Rec	Result	% Rec	Result	% Rec	Result	% Rec	RPD	RPD	Footnotes	Footnotes
Fluoride	mg/l	2.768	50.00			56.21	54.47			107	103			90-110	3						
Sulfate	mg/l	607.7	50.00			617.6	600.8			20	0			90-110	3						3

SAMPLE DUPLICATE: 608175873

Parameter	Units	608137675		DUP		RPD		Max	
		Result	Conc.	Result	Conc.	RPD	RPD	Footnotes	Footnotes
Fluoride	mg/l	4.070				5	10		
Sulfate	mg/l	565.0				1	10		

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Lab Project Number: 6094592
Client Project ID: NPDES SAMPLING 5/2/05

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] pH analysis initiated more than 15 minutes from sample collection.
[2] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the analytical system was in control.
[3] The sample matrix affected the Matrix Spike and Matrix Spike Duplicate (MS/MSD) compound recovery. The successful recovery of the Laboratory Control Sample (LCS) demonstrates the analytical system was in control for this QA/QC sample group.

REPORT OF LABORATORY ANALYSIS

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March 28, 2011

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 6095669

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 6095669

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
AZLA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 6095669

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6095669001	SL001	Water	03/20/11 09:30	03/22/11 22:32

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 6095669

Lab ID	Sample ID	Method	Analysts	Analytes	
				Reported	Laboratory
6095669001	SL001	EPA 365.4	CMG	1	PASJ-K

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 6095669

Sample: SL001	Lab ID: 6095669001	Collected: 03/20/11 09:30	Received: 03/22/11 22:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No. Qual
365.4 Total Phosphorus Analytical Method: EPA 365.4							
Phosphorus	0.50	mg/L	0.10	1		03/26/11 12:53	7723-14-0

Date: 03/28/2011 10:48 AM

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 6095669

QC Batch: WETA/15779 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 6095669001

METHOD BLANK: 788992 Matrix: Water
Associated Lab Samples: 6095669001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	03/26/11 12:50	

LABORATORY CONTROL SAMPLE: 788993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.0	98	90-110	

MATRIX SPIKE SAMPLE: 788994

Parameter	Units	6095669001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.50	2	2.4	94	72-121	

MATRIX SPIKE SAMPLE: 788996

Parameter	Units	6095317001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.0	99	72-121	

SAMPLE DUPLICATE: 788995

Parameter	Units	6095386002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	4.7	5.0	6	15	

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 6095669

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

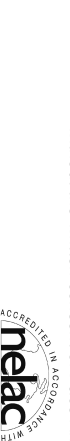
LABORATORIES

PAS-I-K Pace Analytical Services - Kansas City

Date: 03/28/2011 10:48 AM

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

888 1 64

[illegible]

July 27, 2005

Mr. KAMYAR MANESH
FI MISSOURI REMEDIATION TRUST
103 W. 26TH
KANSAS CITY, MO 64116

RE: Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

Dear Mr. MANESH:

Enclosed are the analytical results for sample(s) received by the laboratory on July 14, 2005. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,



Connie Gardner
connie.gardner@pacelabs.com
Project Manager

Kansas/NELAP Certification Number E-10116

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

Project	Sample				
<u>Sample Number</u>	<u>Number</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
6097348-001	608354940	SI001H2SO4	Water	07/13/05 06:30	07/14/05 06:10
6097348-002	608354999	SI001	Water	07/13/05 06:30	07/14/05 06:10
6097348-003	608355004	WT0003H2SO4	Water	07/13/05 06:45	07/14/05 06:10
6097348-004	608355012	WT0003	Water	07/13/05 06:45	07/14/05 06:10

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SAMPLE ANALYTE COUNT

Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

Project			Analysis		Analytes Reported
Sample Number	Sample No	Client Sample ID	Code	Analysis Description	
6097348-001	608354940	SL001H2SO4	3501 WEPA	Ammonia	1
			3654T WEPA	Phosphorus, Total	1
			1501 EPA	pH	1
6097348-002	608354999	SL001	1602 WEPA	Total Suspended Solids	1
			3000 WNO3	Anions IC 48hr Water	1
			3000 WPAC	Anions, Ion Chromatography	2
6097348-003	608355004	WT0003H2SO4	3501 WEPA	Ammonia	1
			3654T WEPA	Phosphorus, Total	1
			1501 EPA	pH	1
6097348-004	608355012	WT0003	1602 WEPA	Total Suspended Solids	1
			3000 WNO3	Anions IC 48hr Water	1
			3000 WPAC	Anions, Ion Chromatography	2

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

Lab Sample No:	608354940	Project Sample Number:	6097348-001	Date Collected:	07/13/05 06:30
Client Sample ID:	SL001H2SO4	Matrix:	Water	Date Received:	07/14/05 06:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLimit
Wet Chemistry								
Ammonia	Method: EPA 350.1							
Nitrogen, Ammonia	9.21	mg/l	1.00	07/18/05	KMW	7727-37-9		
Phosphorus, Total	Method: EPA 365.4							
Phosphorus	1.47	mg/l	0.500	07/20/05	ACM	7723-14-0		

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Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

Lab Sample No: 608354999 Project Sample Number: 6097348-002 Date Collected: 07/13/05 06:30
Client Sample ID: SL001 Matrix: Water Date Received: 07/14/05 06:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	Regime
Wet Chemistry								
pH	Method: EPA 150.1 7.13			07/14/05 17:00	AJM		1	
Total Suspended Solids	Method: EPA 160.2 6.00	mg/l	5.00	07/15/05	AJM			
Anions IC 48hr Water	Method: EPA 300.0 2.29	mg/l	1.00	07/15/05 03:50	PDA			
Anions, Ion Chromatography								
Fluoride	Method: EPA 300.0 2.04	mg/l	0.200	07/26/05 23:45	PDA	16984-48-8		
Sulfate	376.	mg/l	20.0	07/26/05 23:07	PDA	14808-79-8		

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Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

Lab Sample No:	608355004	Project Sample Number:	6097348-003	Date Collected:	07/13/05 06:45
Client Sample ID:	WT0003H2SO4	Matrix:	Water	Date Received:	07/14/05 06:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	Reqlmt
Wet Chemistry								
Ammonia	Method: EPA 350.1							
Nitrogen, Ammonia	28.5	mg/l	2.00	07/18/05	KMW	7727-37-9		
Phosphorus, Total	Method: EPA 365.4							
Phosphorus	0.810	mg/l	0.500	07/20/05	ACM	7723-14-0		

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Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

Lab Sample No: 608355012	Project Sample Number: 6097348-004	Date Collected: 07/13/05 06:45
Client Sample ID: WT0003	Matrix: Water	Date Received: 07/14/05 06:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLimit
Wet Chemistry								
pH	Method: EPA 150.1							
pH	7.02			07/14/05 17:00	AJM		1	
Total Suspended Solids	Method: EPA 160.2							
Total Suspended Solids	ND	mg/l	5.00	07/15/05	AJM			
Anions IC 48hr Water	Method: EPA 300.0							
Nitrate as N	3.16	mg/l	1.00	07/15/05 04:15	PDA			
Anions, Ion Chromatography	Method: EPA 300.0							
Fluoride	4.24	mg/l	0.200	07/27/05 00:10	PDA	16984-48-8		
Sulfate	927.	mg/l	20.0	07/27/05 00:10	PDA	14808-79-8		

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Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

PARAMETER FOOTNOTES

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
[1]	pH analysis initiated more than 15 minutes from sample collection.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

QC Batch: 198963	Analysis Method: EPA 150.1
QC Batch Method: EPA 150.1	Analysis Description: pH
Associated Lab Samples:	608354999 608355012

SAMPLE DUPLICATE: 608356945

Parameter	Units	608355624	DUP	Max		Footnotes
		Result	Result	RPD	RPD	
pH		7.550	7.550	0	10	1

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QUALITY CONTROL DATA

Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

QC Batch: 199010	Analysis Method: EPA 160.2
QC Batch Method: EPA 160.2	Analysis Description: Total Suspended Solids
Associated Lab Samples:	608354999 608355012

METHOD BLANK: 608360228	608354999	608355012
Associated Lab Samples:		

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Total Suspended Solids	mg/l	ND	5.00	

SAMPLE DUPLICATE: 608360236

Parameter	Units	608357224 Result	DUP Result	RPD 4	Max RPD 18	Footnotes
Total Suspended Solids	mg/l	844.0	808.0			

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QUALITY CONTROL DATA

Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

QC Batch: 198990 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: Anions IC 48hr Water
Associated Lab Samples: 608354999 608355012

METHOD BLANK: 608358479
Associated Lab Samples: 608354999 608355012

Parameter	Units	Blank	Reporting
		Result	Limit Footnotes
Nitrate as N	mg/l	ND	1.00

LABORATORY CONTROL SAMPLE: 608358487

Parameter	Units	Spike	LCS	LCS	% Rec	Footnotes
		Conc.	Result	% Rec	Limits	Footnotes
Nitrate as N	mg/l	25.00	23.42	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608358503 608358511

Parameter	Units	608357224	Spike	MS	MSD	MS	MSD	% Rec	Max
		Result	Conc.	Result	Result	% Rec	% Rec	Limits	RPD RPD Footnotes
Nitrate as N	mg/l	0	5.000	6.153	6.156	123	123	90-110	0 10 2

SAMPLE DUPLICATE: 608358495

Parameter	Units	608354999	DUP	Max
		Result	Result	RPD RPD Footnotes
Nitrate as N	mg/l	2.290	2.300	1 10

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

QC Batch: 199152	Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1	Analysis Description: Ammonia
Associated Lab Samples:	608354940 608355004

METHOD BLANK: 608369443	608354940 608355004
Associated Lab Samples:	

Parameter	Units	Blank	Reporting
		Result	Limit Footnotes
Nitrogen, Ammonia	mg/l	ND	0.200

LABORATORY CONTROL SAMPLE: 608369450

Parameter	Units	Spike	LCS	LCS	% Rec	% Rec	Footnotes
		Conc.	Result	Conc.	% Rec	Limits	Footnotes
Nitrogen, Ammonia	mg/l	2.000	2.181	109	90-110		

MATRIX SPIKE: 608369476

Parameter	Units	608364188	Spike	MS	MS	% Rec	% Rec	Footnotes
		Result	Conc.	Result	% Rec	Limits	Footnotes	
Nitrogen, Ammonia	mg/l	0.4421	2.000	2.521	104	90-110		

SAMPLE DUPLICATE: 608369468

Parameter	Units	608362091	DUP	RPD	RPD	Max	Max	Footnotes
		Result	Result	NC	20 <td></td> <td></td> <td></td>			
Nitrogen, Ammonia	mg/l	ND	ND	NC	20			

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QUALITY CONTROL DATA

Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

QC Batch: 199226 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: Phosphorus, Total
Associated Lab Samples: 608354940 608355004

METHOD BLANK: 608371258
Associated Lab Samples: 608354940 608355004

Parameter	Units	Blank	Reporting
		Result	Limit
Phosphorus	mg/l	ND	0.500

LABORATORY CONTROL SAMPLE: 608371266

Parameter	Units	Spike	LCS	LCS	% Rec	% Rec	Footnotes
		Conc.	Result	Result	% Rec	Limit	Footnotes
Phosphorus	mg/l	2.000	1.930	96	86-117		

MATRIX SPIKE: 608371282

Parameter	Units	608355632	Spike	MS	MS	% Rec	% Rec	Footnotes
		Result	Conc.	Result	% Rec	Limit	Footnotes	
Phosphorus	mg/l	5.570	2.000	7.210	82	61-134		

SAMPLE DUPLICATE: 608371274

Parameter	Units	608361291	DUP	RPD	Max	Footnotes
		Result	Result	RPD	RPD	Footnotes
Phosphorus	mg/l	2.450	2.410	2	17	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

QC Batch: 199765	Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0	Analysis Description: Anions, Ion Chromatography
Associated Lab Samples: 608354999	608355012

METHOD BLANK: 608391462	608354999	608355012
Associated Lab Samples:		

Parameter	Units	Blank		Reporting	
		Result	Limit		Footnotes
Fluoride	mg/l	ND		0.200	
Sulfate	mg/l	ND		1.00	

LABORATORY CONTROL SAMPLE: 608391470

Parameter	Units	Spike		ICS		ICS		% Rec	
		Conc.	Result		Result	% Rec	Limits		Footnotes
Fluoride	mg/l	20.00	18.10		90	90-110			
Sulfate	mg/l	150.00	146.7		98	90-110			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608391488 608391496

Parameter	Units	608318408		Spike		MS		MSD		MS		MSD		% Rec		Limits		RPD		Max	
		Result		Conc.	Result	Result		Result		% Rec		Result		% Rec		RPD		RPD		RPD	Footnotes
Fluoride	mg/l	0.2250		5.000	4.868			4.884		93	93			90-110		0		10			
Sulfate	mg/l	36.97		5.000	39.99			40.42		61	69			90-110		1		10		3	

SAMPLE DUPLICATE: 608391504

Parameter	Units	608318416		DUP		RPD		Max	
		Result		Result		RPD		RPD	Footnotes
Fluoride	mg/l	0.2210		0.2190		1		10	
Sulfate	mg/l	75.00		73.90		1		10	

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6097348
Client Project ID: NPDES SAMPLING 7/13/05

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
[1]	pH analysis initiated more than 15 minutes from sample collection.
[2]	The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the analytical system was in control.
[3]	The sample matrix affected the Matrix Spike and Matrix Spike Duplicate (MS/MSD) compound recovery. The successful recovery of the Laboratory Control Sample (LCS) demonstrates the analytical system was in control for this QA/QC sample group.

REPORT OF LABORATORY ANALYSIS

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August 05, 2005

Mr. KAMYAR MANESH
FI MISSOURI REMEDIATION TRUST
103 W. 26TH
KANSAS CITY, MO 64116

RE: Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

Dear Mr. MANESH:

Enclosed are the analytical results for sample(s) received by the laboratory on August 3, 2005. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,



Connie Gardner
connie.gardner@pacelabs.com
Project Manager

Kansas/NELAP Certification Number E-10116

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

Project	Sample				
<u>Sample Number</u>	<u>Number</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
6098056-001	608416319	SI001H2SO4	Water	08/02/05 06:00	08/03/05 06:05
6098056-002	608416327	SI001	Water	08/02/05 06:00	08/03/05 06:05
6098056-003	608416335	WT003H2SO4	Water	08/02/05 06:15	08/03/05 06:05
6098056-004	608416343	WT003	Water	08/02/05 06:15	08/03/05 06:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

Project			Analysis		Analytes Reported
Sample Number	Sample No	Client Sample ID	Code	Analysis Description	
6098056-001	608416319	SL001H2SO4	3501 WEPA	Ammonia	1
			3654T WEPA	Phosphorus, Total	1
			1501 EPA	pH	1
6098056-002	608416327	SL001	1602 WEPA	Total Suspended Solids	1
			3000 WNO3	Anions IC 48hr Water	1
			3000 WPAC	Anions, Ion Chromatography	2
6098056-003	608416335	WT003H2SO4	3501 WEPA	Ammonia	1
			3654T WEPA	Phosphorus, Total	1
			1501 EPA	pH	1
6098056-004	608416343	WT003	1602 WEPA	Total Suspended Solids	1
			3000 WNO3	Anions IC 48hr Water	1
			3000 WPAC	Anions, Ion Chromatography	2

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

Lab Sample No:	608416319	Project Sample Number:	6098056-001	Date Collected:	08/02/05 06:00
Client Sample ID:	SL001H2SO4	Matrix:	Water	Date Received:	08/03/05 06:05

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	Reqlmt
Wet Chemistry								
Ammonia	Method: EPA 350.1							
Nitrogen, Ammonia	9.66	mg/l	0.400	08/04/05	ACM	7727-37-9		
Phosphorus, Total	Method: EPA 365.4							
Phosphorus	0.595	mg/l	0.500	08/04/05	ACM	7723-14-0		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

Lab Sample No: 608416327 Project Sample Number: 6098056-002 Date Collected: 08/02/05 06:00
Client Sample ID: SL001 Matrix: Water Date Received: 08/03/05 06:05

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLimit
Wet Chemistry								
pH	Method: EPA 150.1							
pH	7.34			08/03/05 11:45	AJM		1	
Total Suspended Solids	Method: EPA 160.2							
Total Suspended Solids	5.00	mg/l	5.00	08/04/05	AJM			
Anions IC 48hr Water	Method: EPA 300.0							
Nitrate as N	2.50	mg/l	1.00	08/03/05 23:09	PDA			
Anions, Ion Chromatography	Method: EPA 300.0							
Fluoride	1.59	mg/l	0.200	08/04/05 02:16	PDA	16984-48-8		
Sulfate	396.	mg/l	50.0	08/04/05 02:16	PDA	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

Lab Sample No:	608416335	Project Sample Number:	6098056-003	Date Collected:	08/02/05 06:15
Client Sample ID:	WT003H2SO4	Matrix:	Water	Date Received:	08/03/05 06:05

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	Reqlmt
Wet Chemistry								
Ammonia	Method: EPA 350.1							
Nitrogen, Ammonia	31.2	mg/l	10.0	08/04/05	ACM	7727-37-9		
Phosphorus, Total	Method: EPA 365.4							
Phosphorus	0.304	µ mg/l	0.500	08/04/05	ACM	7723-14-0		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

Lab Sample No: 608416343 Project Sample Number: 6098056-004 Date Collected: 08/02/05 06:15
Client Sample ID: WT003 Matrix: Water Date Received: 08/03/05 06:05

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	Regime
Wet Chemistry								
pH	Method: EPA 150.1							
pH	8.81			08/03/05 11:45	AJM		1	
Total Suspended Solids	Method: EPA 160.2							
Total Suspended Solids	9.00	mg/l	5.00	08/04/05	AJM			
Anions IC 48hr Water	Method: EPA 300.0							
Nitrate as N	4.09	mg/l	1.00	08/03/05 23:46	PDA			
Anions, Ion Chromatography	Method: EPA 300.0							
Fluoride	5.00	mg/l	0.200	08/04/05 02:29	PDA	16984-48-8		
Sulfate	1020	mg/l	50.0	08/04/05 02:29	PDA	14808-79-8		

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Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

PARAMETER FOOTNOTES

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
[1]	pH analysis initiated more than 15 minutes from sample collection.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

QC Batch: 200446	Analysis Method: EPA 150.1
QC Batch Method: EPA 150.1	Analysis Description: pH
Associated Lab Samples:	608416327 608416343

SAMPLE DUPLICATE: 608417770

Parameter	Units	608416251	DUP	Max		Footnotes
		Result	Result	RPD	RPD	
pH		5.220	5.200	0	10	1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

QC Batch: 200448	Analysis Method: EPA 160.2
QC Batch Method: EPA 160.2	Analysis Description: Total Suspended Solids
Associated Lab Samples:	608416327 608416343

METHOD BLANK: 608417788	608416327	608416343
Associated Lab Samples:		

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Total Suspended Solids	mg/l	ND	5.00	

SAMPLE DUPLICATE: 608418927

Parameter	Units	608418521 Result	DUP Result	RPD	Max RPD	Footnotes
Total Suspended Solids	mg/l	3680	3710	1	18	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

QC Batch: 200398 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: Ammonia
Associated Lab Samples: 608416319 608416335

METHOD BLANK: 608417358
Associated Lab Samples: 608416319 608416335

Parameter	Units	Blank		Reporting	
		Result	Limit	Footnotes	
Nitrogen, Ammonia	mg/l	ND	0.200		

LABORATORY CONTROL SAMPLE: 608417366

Parameter	Units	Spike		LCS		LCS		% Rec	
		Conc.	Result	Result	% Rec	Limits	Footnotes		
Nitrogen, Ammonia	mg/l	2.000	2.073	104	90-110				

MATRIX SPIKE: 608417374

Parameter	Units	608416319		Spike		MS		MS	
		Result	Conc.	Result	% Rec	Limits	Footnotes		
Nitrogen, Ammonia	mg/l	9.665	4.000	14.02	109	90-110			

SAMPLE DUPLICATE: 608417382

Parameter	Units	608416335		DUP		RPD		Max	
		Result	Conc.	Result	% Rec	Limits	Footnotes		
Nitrogen, Ammonia	mg/l	31.20	31.70	1	20				

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QUALITY CONTROL DATA

Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

QC Batch: 200484 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: Anions IC 48hr Water
Associated Lab Samples: 608416327 608416343

METHOD BLANK: 608419339
Associated Lab Samples: 608416327 608416343

Parameter	Units	Blank	Reporting
		Result	Limit Footnotes
Nitrate as N	mg/l	ND	1.00

LABORATORY CONTROL SAMPLE: 608419347

Parameter	Units	Spike	LCS	LCS	% Rec	Footnotes
		Conc.	Result	% Rec	Limits	Footnotes
Nitrate as N	mg/l	25.00	26.40	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608419354 608419362

Parameter	Units	608416327	Spike	MS	MSD	MS	MSD	% Rec	Max
		Result	Conc.	Result	Result	% Rec	Result	Limits	RPD RPD Footnotes
Nitrate as N	mg/l	2.499	5.000	8.778	8.631	126	123	90-110	2 2

SAMPLE DUPLICATE: 608419370

Parameter	Units	608416343	DUP	Max
		Result	Result	RPD RPD Footnotes
Nitrate as N	mg/l	4.090	4.060	1 10

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QUALITY CONTROL DATA

Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

QC Batch: 200485 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: Anions, Ion Chromatography
Associated Lab Samples: 608416327 608416343

METHOD BLANK: 608419420
Associated Lab Samples: 608416327 608416343

Parameter	Units	Blank		Reporting	
		Result	Limit	Footnotes	
Fluoride	mg/l	ND	0.200		
Sulfate	mg/l	ND	1.00		

LABORATORY CONTROL SAMPLE: 608419438

Parameter	Units	Spike		ICS		ICS		% Rec	
		Conc.	Result	Result	% Rec	Limits	Footnotes		
Fluoride	mg/l	20.00	19.16		96	90-110			
Sulfate	mg/l	150.00	149.8		100	90-110			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608419446 608419453

Parameter	Units	608416327		Spike		MS		MSD		MS		MSD		% Rec		RPD		Max	
		Result	Conc.	Result	Conc.	Result	% Rec	Result	% Rec	Result	% Rec	Result	% Rec	Limits	RPD	RPD	Footnotes		
Fluoride	mg/l	1.586		5.000		5.940		5.824		87		85		90-110	2		2		
Sulfate	mg/l	396.2		5.000		518.1		515.6		2440		2388		90-110	1		2		

SAMPLE DUPLICATE: 608419461

Parameter	Units	608416343		DUP		RPD		Max	
		Result	Conc.	Result	Conc.	RPD	RPD	Footnotes	
Fluoride	mg/l	5.000		4.990		0		10	
Sulfate	mg/l	1020		941.0		8		10	

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QUALITY CONTROL DATA

Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

QC Batch: 200487 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: Phosphorus, Total
Associated Lab Samples: 608416319 608416335

METHOD BLANK: 608419677
Associated Lab Samples: 608416319 608416335

Parameter	Units	Blank		Reporting	
		Result	Limit	Result	Footnotes
Phosphorus	mg/l	ND		0.500	

LABORATORY CONTROL SAMPLE: 608419685

Parameter	Units	Spike		LCS		LCS		% Rec	
		Conc.	Result	Result	% Rec	Limits	Footnotes		
Phosphorus	mg/l	2.000		1.822	91	86-117			

MATRIX SPIKE: 608419693

Parameter	Units	608416319		Spike		MS		MS	
		Result	Conc.	Result	% Rec	Limits	Footnotes		
Phosphorus	mg/l	0.5950		2.000	2.497	95	61-134		

SAMPLE DUPLICATE: 608419701

Parameter	Units	608416335		DUP		RPD		Max	
		Result	Conc.	Result	% Rec	Limits	Footnotes		
Phosphorus	mg/l	0.3040		0.3070	0	17			

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6098056
Client Project ID: NPDES SAMPLING 08/02/05

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

ICS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] pH analysis initiated more than 15 minutes from sample collection.
[2] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCS/D were within acceptance limits showing that the analytical system was in control.

REPORT OF LABORATORY ANALYSIS

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July 27, 2011

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 60102514

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on July 13, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 60102514

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 60102514

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60102514001	SL001	Water	07/12/11 06:30	07/13/11 22:32
60102514002	WT003	Water	07/12/11 06:15	07/13/11 22:32

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 60102514

Lab ID	Sample ID	Method	Analysis	Analytes Reported	Laboratory
60102514001	SL001	SM 2540D	LAJ	1	PAS-I-K
		SM 4500-H+B	SRM1	1	PAS-I-K
		EPA 300.0	JML	1	PAS-I-K
		EPA 300.0	JML	2	PAS-I-K
		EPA 350.1	AJM	1	PAS-I-K
		EPA 365.4	AJM	1	PAS-I-K
		SM 2540D	LAJ	1	PAS-I-K
		SM 4500-H+B	SRM1	1	PAS-I-K
		EPA 300.0	JML	1	PAS-I-K
		EPA 300.0	JML	2	PAS-I-K
60102514002	WT003	EPA 350.1	AJM	1	PAS-I-K
		EPA 365.4	AJM	1	PAS-I-K
		SM 2540D	LAJ	1	PAS-I-K
		SM 4500-H+B	SRM1	1	PAS-I-K

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 60102514

Sample: SL001	Lab ID: 60102514001	Collected: 07/12/11 06:30	Received: 07/13/11 22:32	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids								
Total Suspended Solids	ND	mg/L	5.0	1		07/14/11 14:02		
4500H+ pH, Electrometric								
pH at 25 Degrees C	7.1	Std. Units	0.10	1		07/14/11 15:55		H6
300.0 IC Anions								
Nitrate as N	2.7	mg/L	0.10	1		07/14/11 19:11	14797-55-8	H1
300.0 IC Anions 28 Days								
Fluoride	7.0	mg/L	0.20	1		07/25/11 19:46	16984-48-8	
Sulfate	398	mg/L	100	100		07/26/11 09:45	14808-79-8	
350.1 Ammonia								
Nitrogen, Ammonia	3.1	mg/L	0.10	1		07/19/11 18:11	7664-41-7	
365.4 Total Phosphorus								
Phosphorus	0.53	mg/L	0.10	1		07/25/11 15:43	7723-14-0	
Sample: WT003								
Lab ID: 60102514002	Collected: 07/12/11 06:15		Received: 07/13/11 22:32		Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

Date: 07/27/2011 08:05 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60102514

QC Batch:	WET/30018	Analysis Method:		SM 2540D	
QC Batch Method:	SM 2540D	Analysis Description:		2540D Total Suspended Solids	
Associated Lab Samples:		60102514001, 60102514002			
METHOD BLANK: 844793		Matrix: Water			
Associated Lab Samples:		60102514001, 60102514002			
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	07/14/11 14:00	

SAMPLE DUPLICATE: 844794						
Parameter	Units	60102496001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	27.0	19.0	35		25 R1

SAMPLE DUPLICATE: 844795						
Parameter	Units	60102462002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND			25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60102514

QC Batch:	WET/30027	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	60102514001, 60102514002		

SAMPLE DUPLICATE: 844930

Parameter	Units	60102136005	Dup Result	RPD	Max RPD	Qualifiers
		Result				
pH at 25 Degrees C	Std. Units	7.8	7.8	0		5 H6

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60102514

QC Batch: WETA/16979 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60102514001, 60102514002

METHOD BLANK: 844820 Matrix: Water

Associated Lab Samples: 60102514001, 60102514002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	07/14/11 18:28	

LABORATORY CONTROL SAMPLE: 844821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2.5	2.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 844822 844823

Parameter	Units	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MSD % Rec Limits	MSD RPD	MSD RPD Max	Qual
Nitrate as N	mg/L	1.4	2.5	2.5	3.4	3.5	84	86	68-120	1	16

MATRIX SPIKE SAMPLE: 844824

Parameter	Units	60102472001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1.2	2.5	3.4	87	68-120	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60102514

QC Batch: WETA/17079 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60102514001, 60102514002

METHOD BLANK: 849771		Matrix: Water			
Associated Lab Samples:		60102514001, 60102514002			
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.20	07/25/11 13:02	
Sulfate	mg/L	ND	1.0	07/25/11 13:02	

METHOD BLANK: 850274		Matrix: Water			
Associated Lab Samples:		60102514001, 60102514002			
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.20	07/26/11 08:53	
Sulfate	mg/L	ND	1.0	07/26/11 08:53	

LABORATORY CONTROL SAMPLE: 849772					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Fluoride	mg/L	5	4.9	99	90-110
Sulfate	mg/L	10	10.2	102	90-110

LABORATORY CONTROL SAMPLE: 850275					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Sulfate	mg/L	5	4.6	92	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 849773		849774									
Parameter	Units	60102516002		MS		MSD		MS		MSD	
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Conc.	Result	Conc.	Result	Conc.
Fluoride	mg/L	ND	125	125	125	121	122	94	95	75-110	0
Sulfate	mg/L	466	250	250	250	726	736	104	108	61-119	1

MATRIX SPIKE SAMPLE: 849775		60102359001									
Parameter	Units	Result	Spike Conc.	MS Result	MS Conc.	MSD Result	MSD Conc.	% Rec	% Rec Limits	RPD	Max
Fluoride	mg/L	ND	25	23.8	23.8	92	75-110	92	75-110	RPD	Qual
Sulfate	mg/L	123	50	169	169	92	61-119	92	61-119	RPD	Qual

Date: 07/27/2011 08:05 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60102514

QC Batch: WETA/17015 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60102514001, 60102514002

METHOD BLANK: 846940 Matrix: Water

Associated Lab Samples: 60102514001, 60102514002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	07/19/11 17:57	

LABORATORY CONTROL SAMPLE: 846941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	107	90-110	

MATRIX SPIKE SAMPLE: 846942

Parameter	Units	60102486002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	3.1	2	4.8	81	90-110	MO

MATRIX SPIKE SAMPLE: 846943

Parameter	Units	60102487001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	8.4	10	18.1	97	90-110	

SAMPLE DUPLICATE: 846944

Parameter	Units	60102520001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60102514

QC Batch:	WETA/17058	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
Associated Lab Samples:	60102514001, 60102514002		

METHOD BLANK: 848686
Associated Lab Samples: 60102514001, 60102514002

Matrix: Water				
Parameter	Units	Blank Result	Reporting Limit	Analyzed
Phosphorus	mg/L	ND	0.10	07/25/11 15:35

LABORATORY CONTROL SAMPLE: 848687				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec
Phosphorus	mg/L	2	2.1	106

MATRIX SPIKE SAMPLE: 848688				
Parameter	Units	60102520001 Result	Spike Conc.	MS Result
Phosphorus	mg/L	0.10	2	2.3

MATRIX SPIKE SAMPLE: 848689				
Parameter	Units	60102520002 Result	Spike Conc.	MS Result
Phosphorus	mg/L	ND	2	2.2

SAMPLE DUPLICATE: 848690				
Parameter	Units	60102520003 Result	Dup Result	Max RPD
Phosphorus	mg/L	ND	ND	15

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 60102514

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASL-K Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

September 26, 2011

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 60105587

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on September 06, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 60105587

Washington Certification IDs

940 South Harney Street, Seattle, WA 98108
Alaska CS Certification #: UST-025
Arizona Certification #: AZ0770
California Certification #: 01153CA

Florida/NE LAP Certification #: E87617
Oregon Certification #: WA200007
Washington Certification #: C555

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 60105587

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60105587001	SL001	Water	09/06/11 13:10	09/06/11 22:37
60105587002	WT003	Water	09/06/11 13:00	09/06/11 22:37

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 60105587

Lab ID	Sample ID	Method	Analysis	Analytes Reported	Laboratory
60105587001	SL001	SM 2540D	KLB	1	PAS-I-K
		SM 4500-H+B	JML	1	PAS-I-K
		EPA 300.0	JPF	1	PAS-I-K
		EPA 300.0	KMT	2	PAS-I-S
		EPA 350.1	SRM1	1	PAS-I-K
		EPA 365.4	SRM1	1	PAS-I-K
		SM 2540D	KLB	1	PAS-I-K
		SM 4500-H+B	JML	1	PAS-I-K
		EPA 300.0	JPF	1	PAS-I-K
		EPA 300.0	KMT	2	PAS-I-S
60105587002	WT003	EPA 350.1	SRM1	1	PAS-I-K
		EPA 365.4	SRM1	1	PAS-I-K
		SM 2540D	KLB	1	PAS-I-K
		SM 4500-H+B	JML	1	PAS-I-K

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 60105587

Sample: SL001		Lab ID: 60105587001	Collected: 09/06/11 13:10	Received: 09/06/11 22:37	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	9.0	mg/L	5.0	1		09/08/11 09:22		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	8.8	Std. Units	0.10	1		09/07/11 14:30		H6
300.0 IC Anions		Analytical Method: EPA 300.0						
Nitrate as N	4.2	mg/L	0.10	1		09/07/11 15:07	14797-55-8	CH
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Fluoride	4.5	mg/L	1.0	5		09/22/11 08:31	16984-48-8	
Sulfate	860	mg/L	50.0	50		09/22/11 06:36	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	5.2	mg/L	0.50	5		09/20/11 10:24	7664-41-7	
365.4 Total Phosphorus		Analytical Method: EPA 365.4						
Phosphorus	0.28	mg/L	0.10	1		09/15/11 16:00	7723-14-0	
Sample: WT003		Lab ID: 60105587002	Collected: 09/06/11 13:00	Received: 09/06/11 22:37	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	5.0	mg/L	5.0	1		09/08/11 09:23		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.0	Std. Units	0.10	1		09/07/11 14:30		H6
300.0 IC Anions		Analytical Method: EPA 300.0						
Nitrate as N	2.6	mg/L	0.10	1		09/07/11 14:37	14797-55-8	CH
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Fluoride	4.0	mg/L	2.0	10		09/22/11 08:12	16984-48-8	
Sulfate	1120	mg/L	100	100		09/22/11 06:55	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	11.8	mg/L	0.50	5		09/20/11 10:27	7664-41-7	
365.4 Total Phosphorus		Analytical Method: EPA 365.4						
Phosphorus	ND	mg/L	0.10	1		09/15/11 16:01	7723-14-0	

Date: 09/26/2011 08:26 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60105587

QC Batch:	WET/30860	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60105587001, 60105587002		

METHOD BLANK: 871857 Matrix: Water

Associated Lab Samples: 60105587001, 60105587002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	09/08/11 09:17	

SAMPLE DUPLICATE: 871858

Parameter	Units	60105437001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	6.0	9.0	40	25	R1

SAMPLE DUPLICATE: 871859

Parameter	Units	60105581006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	18.0	13.0	32	25	R1

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60105587

QC Batch:	WET/30848	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	60105587001, 60105587002		

SAMPLE DUPLICATE: 871636

Parameter	Units	60105577001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
pH at 25 Degrees C	Std. Units	6.3	6.3	0		5 H6

Date: 09/26/2011 08:26 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60105587

QC Batch: WETA/17501 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60105587001, 60105587002

METHOD BLANK: 871172 Matrix: Water

Associated Lab Samples: 60105587001, 60105587002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.10	09/07/11 09:32	

LABORATORY CONTROL SAMPLE: 871173

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2.5	2.4	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 871174

Parameter	Units	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MSD % Rec Limits	MSD % Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	ND	2.5	2.5	3.3	3.3	132	132	68-120	0	16	MO

MATRIX SPIKE SAMPLE: 871176

Parameter	Units	60105587002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	2.6	2.5	5.1	102	68-120	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60105587

QC Batch: WETA/2187 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60105587001, 60105587002

METHOD BLANK: 86194 Matrix: Water

Associated Lab Samples: 60105587001, 60105587002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.20	09/22/11 00:10	
Sulfate	mg/L	ND	1.0	09/22/11 00:10	

LABORATORY CONTROL SAMPLE: 86195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	2	1.8	92	90-110	
Sulfate	mg/L	15	16.1	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 86196

Parameter	Units	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MSD % Rec Limits	MSD RPD	Max RPD	Qual
Fluoride	mg/L	ND	100	100	83.5	85.5	83	85	90-110	2	10 M1
Sulfate	mg/L	3640	7500	7500	11100	11200	100	100	90-110	.5	10

MATRIX SPIKE SAMPLE: 86198

Parameter	Units	60105346008 Result	Spike Conc.	MS Result	MS % Rec	MS % Rec Limits	Qualifiers
Fluoride	mg/L	2.7	2	4.3	81	90-110 M1	
Sulfate	mg/L	ND	15	15.8	100	90-110	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60105587

QC Batch: WETA/17625 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60105587001, 60105587002

METHOD BLANK: 877946 Matrix: Water

Associated Lab Samples: 60105587001, 60105587002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	09/20/11 08:45	

LABORATORY CONTROL SAMPLE: 877947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.0	100	90-110	

MATRIX SPIKE SAMPLE: 877948

Parameter	Units	60105587001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5.2	10	15.1	99	90-110	

MATRIX SPIKE SAMPLE: 877949

Parameter	Units	60105587002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	11.8	10	21.1	92	90-110	

SAMPLE DUPLICATE: 877950

Parameter	Units	60105589001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	1.1	1.1	1	18	

Date: 09/26/2011 08:26 AM

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60105587

QC Batch: WETA/17590 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 60105587001, 60105587002

METHOD BLANK: 875483 Matrix: Water

Associated Lab Samples: 60105587001, 60105587002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	09/15/11 15:35	

LABORATORY CONTROL SAMPLE: 875484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.0	100	90-110	

MATRIX SPIKE SAMPLE: 875485

Parameter	Units	60105446001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	4.0	2	4.9	49	72-121	M0

MATRIX SPIKE SAMPLE: 875486

Parameter	Units	60105446003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	4.2	2	4.9	39	72-121	M0

SAMPLE DUPLICATE: 875487

Parameter	Units	60105744001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	4.5	4.5	1	15	

Date: 09/26/2011 08:26 AM

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 60105587

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASL-K	Pace Analytical Services - Kansas City
PASL-S	Pace Analytical Services - Seattle

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	FJ MO Remediation Trust	Report To:	Keith Brown	Attention:	
Address:	4400 College Blvd Joplin, MO 64801	Copy To:	Doug Engel, Kamyar Manesh	Company Name:	
Email To:	kamyar.manesh@shawgrp.com	Purchase Order No.:	561349	Address:	
Phone:		Project Name:	Monthly NPDES	Pace Quote Reference:	
Requested Due Date/At:		Project Number:		Pace Project Manager:	Sherri Guess
			Pace Profile #: 76		
			Requested Analysis Filtered (Y/N)		
			REGULATORY AGENCY		
			<input checked="" type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER		
			<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER		
			Site Location		
			STATE: MO		

Section D Required Client Information		Valid Matrix Codes MATRIX CODE DW WT WW P SL OL WIPE AR OT TS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Y/N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Michael Manesh
SIGNATURE of SAMPLER:	Michael Manesh
DATE Signed (MM/DD/YY):	10-3-11
Temp in °C	
Received on Ice (Y/N)	
Custody Sealed Coder (Y/N)	
Samples Intact (Y/N)	

Sample Condition Upon Receipt

Client Name: FI MO

Project # 60107454

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☒ Other ECF
Tracking #: _____ Pace Shipping Label Used? ☐ Yes ☒ No
Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ No

Optional
Proj. Due Date: <u>10/18/11</u>
Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☒ Other ZPIC

Thermometer Used: T-191 / T-194

Type of Ice: Wet ☐ Blue ☐ None

☐ Samples on ice, cooling process has begun

Cooler Temperature: 1+4

Temperature should be above freezing to 6°C

Comments:

Date and initials of person examining contents: PC 10-5-11

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>PH, NO²</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
-Includes date/time//ID/analyses Matrix:	<u>WT</u>	
All containers needing preservation have been checked:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed _____
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Pace Trip Blank lot # (if purchased):		
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: _____

Client Notification/ Resolution:

Copy COC to Client?

☒ Y ☐ N

Field Data Required?

☐ Y ☒ N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: 10.6.11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

October 18, 2011

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 60107454

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2011.
The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 60107454

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 60107454

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60107454001	SL001	Water	10/03/11 17:30	10/05/11 05:25
60107454002	WT003	Water	10/03/11 17:15	10/05/11 05:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 60107454

Lab ID	Sample ID	Method	Analysis	Analytes Reported
60107454001	SL001	SM 2540D	KLB	1
		SM 4500-H+B	JML	1
		EPA 300.0	JML	2
		EPA 350.1	AJM	1
		EPA 353.2	AJM	1
		EPA 365.4	AJM	1
		SM 2540D	KLB	1
		SM 4500-H+B	JML	1
		EPA 300.0	JML	2
		EPA 350.1	AJM	1
60107454002	WT003	EPA 353.2	AJM	1
		EPA 365.4	AJM	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 60107454

Sample: SL001		Lab ID: 60107454001	Collected: 10/03/11 17:30	Received: 10/05/11 05:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND	mg/L	5.0	1		10/08/11 10:52		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.6	Std. Units	0.10	1		10/05/11 15:05		H6
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Fluoride	6.5	mg/L	0.20	1		10/17/11 21:16	16984-48-8	
Sulfate	854	mg/L	100	100		10/17/11 21:31	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	12.6	mg/L	0.50	1		10/12/11 17:56	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	4.0	mg/L	0.50	1		10/05/11 14:47		
365.4 Total Phosphorus		Analytical Method: EPA 365.4						
Phosphorus	0.10	mg/L	0.10	1		10/06/11 10:41	7723-14-0	
Sample: WT003		Lab ID: 60107454002	Collected: 10/03/11 17:15	Received: 10/05/11 05:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND	mg/L	5.0	1		10/08/11 10:52		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.0	Std. Units	0.10	1		10/05/11 15:05		H6
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Fluoride	6.5	mg/L	0.20	1		10/17/11 21:16	16984-48-8	
Sulfate	854	mg/L	100	100		10/17/11 21:31	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	12.6	mg/L	0.50	1		10/12/11 17:56	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	4.0	mg/L	0.50	1		10/05/11 14:47		
365.4 Total Phosphorus		Analytical Method: EPA 365.4						
Phosphorus	0.10	mg/L	0.10	1		10/06/11 10:42	7723-14-0	

Date: 10/18/2011 03:37 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60107454

QC Batch:	WET/31402	Analysis Method:		SM 2540D	
QC Batch Method:	SM 2540D	Analysis Description:		2540D Total Suspended Solids	
Associated Lab Samples:		60107454001, 60107454002			
METHOD BLANK: 888686		Matrix: Water			
Associated Lab Samples:		60107454001, 60107454002			
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	10/08/11 10:47	

SAMPLE DUPLICATE: 888687					
Parameter	Units	60107638001 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	ND	ND		25

SAMPLE DUPLICATE: 888688					
Parameter	Units	60107477002 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	105	122	15	25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60107454

QC Batch:	WET/31355	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	60107454001, 60107454002		

SAMPLE DUPLICATE: 886714

Parameter	Units	60107441001	Dup Result	RPD	Max RPD	Qualifiers
		Result				
pH at 25 Degrees C	Std. Units	7.3	7.3	0		5 H6

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60107454

QC Batch: WETA/17930 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60107454001, 60107454002

METHOD BLANK: 892340 Matrix: Water

Associated Lab Samples: 60107454001, 60107454002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.20	10/17/11 18:13	
Sulfate	mg/L	ND	1.0	10/17/11 18:13	

LABORATORY CONTROL SAMPLE: 892341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	5	5.5	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892342 892343

Parameter	Units	60107467001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	0.49	2.5	2.5	2.9	3.0	98	101	75-110	3	10	
Sulfate	mg/L	883	250	250	1150	1110	106	93	61-119	3	10	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60107454

QC Batch: WETA/17888 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60107454001, 60107454002

METHOD BLANK: 889842 Matrix: Water

Associated Lab Samples: 60107454001, 60107454002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	10/12/11 17:04	

LABORATORY CONTROL SAMPLE: 889843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	106	90-110	

MATRIX SPIKE SAMPLE: 889844

Parameter	Units	60107472001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.4	70	90-110 MO	

MATRIX SPIKE SAMPLE: 889845

Parameter	Units	60107445002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.2	2	5.7	76	90-110 MO	

SAMPLE DUPLICATE: 889846

Parameter	Units	60107466001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.18	0.18	1	18	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60107454

QC Batch:	WETA/17819	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples:	60107454001, 60107454002		

METHOD BLANK: 886583 Matrix: Water

Associated Lab Samples: 60107454001, 60107454002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	10/05/11 14:25	

LABORATORY CONTROL SAMPLE: 886584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.6	1.6	101	90-110	

MATRIX SPIKE SAMPLE: 886585

Parameter	Units	60107471001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.1	1.6	2.7	98	90-110	

MATRIX SPIKE SAMPLE: 886586

Parameter	Units	60107471002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.1	1.6	2.7	99	90-110	

SAMPLE DUPLICATE: 886587

Parameter	Units	60107469001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	1.1	1.1	0	15	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60107454

QC Batch: WETA/17823 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 60107454001, 60107454002

METHOD BLANK: 886810 Matrix: Water

Associated Lab Samples: 60107454001, 60107454002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	10/06/11 10:11	

LABORATORY CONTROL SAMPLE: 886811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	106	90-110	

MATRIX SPIKE SAMPLE: 886812

Parameter	Units	60107476001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.2	109	72-121	

MATRIX SPIKE SAMPLE: 886813

Parameter	Units	60107469001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.2	108	72-121	

SAMPLE DUPLICATE: 886814

Parameter	Units	60107469002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND		15	

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 60107454

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

November 14, 2011

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 60109295

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 60109295

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 60109295

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60109295001	SL001	Water	11/01/11 07:30	11/01/11 23:40
60109295002	WT003	Water	11/01/11 07:00	11/01/11 23:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 60109295

Lab ID	Sample ID	Method	Analysis	Analytes Reported
60109295001	SL001	SM 2540D	KLB	1
		SM 4500-H+B	JML	1
		EPA 300.0	JPF	2
		EPA 350.1	AJM	1
		EPA 353.2	AJM	1
		EPA 365.4	AJM	1
		SM 2540D	KLB	1
		SM 4500-H+B	JML	1
		EPA 300.0	JPF	2
		EPA 350.1	AJM	1
60109295002	WT003	EPA 353.2	AJM	1
		EPA 365.4	AJM	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 60109295

Sample: SL001		Lab ID: 60109295001	Collected: 11/01/11 07:30	Received: 11/01/11 23:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND	mg/L	5.0	1		11/04/11 11:18		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.9	Std. Units	0.10	1		11/02/11 15:00		H6
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Fluoride Sulfate	5.8	mg/L	0.20	1		11/12/11 00:16	16984-48-8	
	833	mg/L	50.0	50		11/12/11 00:33	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	9.1	mg/L	0.50	1		11/14/11 11:40	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	2.7	mg/L	0.20	1		11/02/11 16:28		
365.4 Total Phosphorus		Analytical Method: EPA 365.4						
Phosphorus	0.10	mg/L	0.10	1		11/07/11 10:05	7723-14-0	
Sample: WT003		Lab ID: 60109295002	Collected: 11/01/11 07:00	Received: 11/01/11 23:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND	mg/L	5.0	1		11/04/11 11:27		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	6.5	Std. Units	0.10	1		11/02/11 15:00		H6
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Fluoride Sulfate	5.8	mg/L	0.20	1		11/12/11 00:16	16984-48-8	
	833	mg/L	50.0	50		11/12/11 00:33	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	9.1	mg/L	0.50	1		11/14/11 11:40	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	2.7	mg/L	0.20	1		11/02/11 16:28		
365.4 Total Phosphorus		Analytical Method: EPA 365.4						
Phosphorus	0.10	mg/L	0.10	1		11/07/11 10:06	7723-14-0	

Date: 11/14/2011 02:42 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60109295

QC Batch:	WET/31880	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60109295001		

METHOD BLANK: 905164 Matrix: Water
Associated Lab Samples: 60109295001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	11/04/11 11:14	

SAMPLE DUPLICATE: 905165						
Parameter	Units	60109232001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	8.0	8.0	0	25	

SAMPLE DUPLICATE: 905933						
Parameter	Units	60109238003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	309	366	17	25	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60109296

QC Batch:	WET/31884	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60109295002		

METHOD BLANK: 905230
Associated Lab Samples: 60109295002

Parameter	Units	Matrix: Water			
		Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	11/04/11 11:26	

SAMPLE DUPLICATE: 905231					
Parameter	Units	60109569001 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	11.0	11.0	0	25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60109296

QC Batch:	WET/31843	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	60109295001, 60109295002		

SAMPLE DUPLICATE: 903945

Parameter	60109243001		Dup		RPD	Max RPD	Qualifiers
	Units	Result	Result	Result			
pH at 25 Degrees C		12.1		12.1		0	5 H6

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60109295

QC Batch: WETA/18264 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60109295001, 60109295002

METHOD BLANK: 909330 Matrix: Water

Associated Lab Samples: 60109295001, 60109295002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.20	11/11/11 21:47	
Sulfate	mg/L	ND	1.0	11/11/11 21:47	

LABORATORY CONTROL SAMPLE: 909331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	5	4.8	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909332 909333

Parameter	Units	MS 60109293001 Result	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	MSD RPD	Max RPD	Qual
Fluoride	mg/L	ND	50	50	47.7	46.6	92	90	75-110	2	10
Sulfate	mg/L	121	100	100	211	210	90	90	61-119	0	10

MATRIX SPIKE SAMPLE: 909334

Parameter	Units	MS 60109446001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	0.51	2.5	2.9	95	75-110	
Sulfate	mg/L	340	100	416	76	61-119	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60109295

QC Batch: WETA/18299 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60109295001, 60109295002

METHOD BLANK: 911054 Matrix: Water

Associated Lab Samples: 60109295001, 60109295002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	11/14/11 11:06	

LABORATORY CONTROL SAMPLE: 911055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	103	90-110	

MATRIX SPIKE SAMPLE: 911056

Parameter	Units	60109305006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.0	97	90-110	

MATRIX SPIKE SAMPLE: 911057

Parameter	Units	60109305007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.1	105	90-110	

SAMPLE DUPLICATE: 911058

Parameter	Units	60109200001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		18	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60109295

QC Batch: WETA/18147 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 60109295001, 60109295002

METHOD BLANK: 903915 Matrix: Water

Associated Lab Samples: 60109295001, 60109295002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	11/02/11 16:07	

LABORATORY CONTROL SAMPLE: 903916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.6	1.5	96	90-110	

MATRIX SPIKE SAMPLE: 903919

Parameter	Units	60109293001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	10.5	8	15.7	65	90-110	M0

MATRIX SPIKE SAMPLE: 903920

Parameter	Units	60109298001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1.6	1.5	93	90-110	

SAMPLE DUPLICATE: 903917

Parameter	Units	60109139005 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	3.1	3.1	0	15	

SAMPLE DUPLICATE: 903918

Parameter	Units	60109139006 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		15	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60109295

QC Batch: WETA/18187 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 60109295001, 60109295002

METHOD BLANK: 905727 Matrix: Water

Associated Lab Samples: 60109295001, 60109295002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	11/07/11 09:54	

LABORATORY CONTROL SAMPLE: 905728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	106	90-110	

MATRIX SPIKE SAMPLE: 905729

Parameter	Units	60109439001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	ND	2	2.1	105	72-121	

MATRIX SPIKE SAMPLE: 905730

Parameter	Units	60109441001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.021J	2	2.2	108	72-121	

SAMPLE DUPLICATE: 905731

Parameter	Units	60109441002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND		15	

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 60109295

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	Ft MO Remediation Trust	Report To:	Keith Brown	Attention:	
Address:	4400 College Blvd Joplin, MO 64801	Copy To:	Doug Engel, Kanyar Manesh	Company Name:	
Email To:	kanyar.manesh@shawgrp.com	Purchase Order No.:	561349	Address:	
Phone:	Fax:	Project Name:	Monthly NPDES	Pace Quote Reference:	
Requested Due Date/TAT:		Project Number:		Pace Project Manager:	
				Pace Profile #:	76
				REGULATORY AGENCY	
				<input checked="" type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____	
				Site Location	
				STATE: _____ INFO _____	

[illegible]

Sample Condition Upon Receipt



Client Name: FI mo Remed. Project # 6011532

Optional
Proj. Due Date: <u>12/1/20</u>
Proj. Name:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☒ Other EXP
 Tracking #: _____ Pace Shipping Label Used? ☐ Yes ☒ No
 Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Other _____

Thermometer Used: T-191 / T-194

Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 2.0

Temperature should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 12/1/11 [Signature]

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>PM, NO3</u>
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
-Includes date/time/ID/analyses	Matrix: <u>WT</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, Wt-DRO (water), Phenolics	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Pace Trip Blank lot # (if purchased):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17. List State: <u>IL</u>

Client Notification/ Resolution: Copy COC to Client? ☒ Y ☐ N Field Data Required? ☐ Y ☒ N
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review:

[Signature]

Date: 12-7-11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

December 19, 2011

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 60111532

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on December 06, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 60111532

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 60111532

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60111532001	SL001	Water	12/05/11 17:00	12/06/11 22:35
60111532002	WT003	Water	12/06/11 10:15	12/06/11 22:35

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 60111532

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60111532001	SL001	SM 2540D	BGM	1
		SM 4500-H+B	OL	1
		EPA 300.0	JML	2
		EPA 350.1	JPF	1
		EPA 353.2	AJM	1
		EPA 365.4	JPF	1
		SM 2540D	BGM	1
		SM 4500-H+B	OL	1
		EPA 300.0	JML	2
		EPA 350.1	JPF	1
60111532002	WT003	EPA 353.2	AJM	1
		EPA 365.4	JPF	1
		EPA 365.4	JPF	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 60111532

Sample: SL001		Lab ID: 60111532001		Collected: 12/05/11 17:00		Received: 12/06/11 22:35		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D							
Total Suspended Solids		ND	mg/L	5.0	1		12/09/11 07:39		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B							
pH at 25 Degrees C		7.4	Std. Units	0.10	1		12/07/11 16:00		H6
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Fluoride		1.1	mg/L	0.20	1		12/16/11 00:28	16984-48-8	
Sulfate		140	mg/L	20.0	20		12/16/11 00:44	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia		0.98	mg/L	0.10	1		12/12/11 13:59	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrogen, Nitrate		1.4	mg/L	0.10	1		12/07/11 13:16		
365.4 Total Phosphorus		Analytical Method: EPA 365.4							
Phosphorus		0.98	mg/L	0.10	1		12/14/11 13:42	7723-14-0	
Sample: WT003		Lab ID: 60111532002		Collected: 12/06/11 10:15		Received: 12/06/11 22:35		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids		Analytical Method: SM 2540D							
Total Suspended Solids		18.0	mg/L	5.0	1		12/09/11 09:34		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B							
pH at 25 Degrees C		6.2	Std. Units	0.10	1		12/07/11 16:00		H6
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Fluoride		1.0	mg/L	0.20	1		12/16/11 01:01	16984-48-8	
Sulfate		486	mg/L	50.0	50		12/16/11 01:17	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia		8.8	mg/L	0.30	1		12/12/11 14:00	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrogen, Nitrate		3.2	mg/L	0.10	1		12/07/11 13:25		
365.4 Total Phosphorus		Analytical Method: EPA 365.4							
Phosphorus		0.10	mg/L	0.10	1		12/14/11 13:43	7723-14-0	

Date: 12/19/2011 01:39 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60111532

QC Batch:	WET/32475	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60111532001		

METHOD BLANK: 923853 Matrix: Water
Associated Lab Samples: 60111532001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	12/09/11 07:39	

SAMPLE DUPLICATE: 923854

Parameter	Units	60111521003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	63.0			25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60111532

QC Batch:	WET/32478	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60111532002		

METHOD BLANK: 923917
Associated Lab Samples: 60111532002
Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	12/09/11 09:32	

SAMPLE DUPLICATE: 923918					
Parameter	Units	60111501003 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	82.7	86.7	5	25

SAMPLE DUPLICATE: 923919					
Parameter	Units	60111534002 Result	Dup Result	RPD	Max RPD
Total Suspended Solids	mg/L	154	127	19	25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60111532

QC Batch:	WET/32444	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	60111532001, 60111532002		

SAMPLE DUPLICATE: 922976

Parameter	Units	60111536001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
pH at 25 Degrees C	Std. Units	8.3	8.3	0	5	H6

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60111532

QC Batch: WETA/18672 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60111532001, 60111532002

METHOD BLANK: 927131 Matrix: Water

Associated Lab Samples: 60111532001, 60111532002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.20	12/15/11 21:09	
Sulfate	mg/L	ND	1.0	12/15/11 21:09	

LABORATORY CONTROL SAMPLE: 927132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	5	5.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 927133 927134

Parameter	Units	20942018 Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	MSD RPD	Max RPD	Qual
Fluoride	mg/L	125	125	119	121	95	97	75-110	1	10	
Sulfate	mg/L	250	250	526	535	96	100	61-119	2	10	

MATRIX SPIKE SAMPLE: 927135

Parameter	Units	60111569002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	ND	25	24.1	96	75-110	
Sulfate	mg/L	133	50	175	83	61-119	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60111532

QC Batch: WETA/18621 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60111532001, 60111532002

METHOD BLANK: 924929 Matrix: Water

Associated Lab Samples: 60111532001, 60111532002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	12/12/11 13:33	

LABORATORY CONTROL SAMPLE: 924930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	106	90-110	

MATRIX SPIKE SAMPLE: 924931

Parameter	Units	60111252001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	3.0	2	4.5	77	90-110	M0

MATRIX SPIKE SAMPLE: 924933

Parameter	Units	60111455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	1.8	91	90-110	

SAMPLE DUPLICATE: 924932

Parameter	Units	60111503001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	93.4	93.5	0	18	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60111532

QC Batch:	WETA/18572	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples:	60111532001, 60111532002		

METHOD BLANK: 922753 Matrix: Water

Associated Lab Samples: 60111532001, 60111532002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	12/07/11 13:15	

LABORATORY CONTROL SAMPLE: 922754

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.6	1.7	107	90-110	

MATRIX SPIKE SAMPLE: 922755

Parameter	Units	60111509001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	1.6	1.5	95	90-110	

SAMPLE DUPLICATE: 922756

Parameter	Units	60111509002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	21.3	20.4	4	15	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60111532

QC Batch: WETA/18639 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 60111532001, 60111532002

METHOD BLANK: 925555 Matrix: Water

Associated Lab Samples: 60111532001, 60111532002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	12/14/11 13:29	

LABORATORY CONTROL SAMPLE: 925556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.0	100	90-110	

MATRIX SPIKE SAMPLE: 925557

Parameter	Units	60111759001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.8	2	4.5	84	72-121	

MATRIX SPIKE SAMPLE: 925559

Parameter	Units	60111543001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1.1	2	3.1	100	72-121	

SAMPLE DUPLICATE: 925558

Parameter	Units	60111465003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	ND	ND		15	

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 60111532

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

January 25, 2012

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 60113525

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on January 11, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 60113525

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 60113525

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60113525001	SL001	Water	01/10/12 14:30	01/11/12 23:45
60113525002	WT003	Water	01/10/12 14:00	01/11/12 23:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 60113525

Lab ID	Sample ID	Method	Analysis	Analytes Reported
60113525001	SL001	SM 2540D	CMG	1
		SM 4500-H+B	OL	1
		EPA 300.0	JML	2
		EPA 350.1	AJM	1
		EPA 353.2	LAJ	1
		EPA 365.4	AJM	1
		SM 2540D	CMG	1
60113525002	WT003	SM 4500-H+B	OL	1
		EPA 300.0	JML	2
		EPA 350.1	AJM	1
		EPA 353.2	LAJ	1
		EPA 365.4	AJM	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 60113525

Sample: SL001		Lab ID: 60113525001	Collected: 01/10/12 14:30	Received: 01/11/12 23:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids			Analytical Method: SM 2540D					
Total Suspended Solids	7.0	mg/L	5.0	1		01/13/12 10:36		
4500H+ pH, Electrometric			Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	7.4	Std. Units	0.10	1		01/12/12 14:30		H6
300.0 IC Anions 28 Days			Analytical Method: EPA 300.0					
Fluoride	2.3	mg/L	0.20	1		01/20/12 17:01	16984-48-8	
Sulfate	278	mg/L	20.0	20		01/20/12 17:43	14808-79-8	
350.1 Ammonia			Analytical Method: EPA 350.1					
Nitrogen, Ammonia	2.0	mg/L	0.10	1		01/17/12 13:49	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres			Analytical Method: EPA 353.2					
Nitrogen, Nitrate	2.2	mg/L	0.10	1		01/12/12 14:03		
365.4 Total Phosphorus			Analytical Method: EPA 365.4					
Phosphorus	1.6	mg/L	0.10	1		01/18/12 10:06	7723-14-0	
Sample: WT003		Lab ID: 60113525002	Collected: 01/10/12 14:00		Received: 01/11/12 23:45	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids			Analytical Method: SM 2540D					
Total Suspended Solids	ND	mg/L	5.0	1		01/13/12 10:36		
4500H+ pH, Electrometric			Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	6.5	Std. Units	0.10	1		01/12/12 14:30		H6
300.0 IC Anions 28 Days			Analytical Method: EPA 300.0					
Fluoride	2.9	mg/L	0.20	1		01/20/12 17:57	16984-48-8	
Sulfate	695	mg/L	50.0	50		01/20/12 18:12	14808-79-8	
350.1 Ammonia			Analytical Method: EPA 350.1					
Nitrogen, Ammonia	5.8	mg/L	0.20	1		01/17/12 15:02	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres			Analytical Method: EPA 353.2					
Nitrogen, Nitrate	4.3	mg/L	0.10	1		01/12/12 14:01		H1
365.4 Total Phosphorus			Analytical Method: EPA 365.4					
Phosphorus	ND	mg/L	0.10	1		01/18/12 10:07	7723-14-0	

Date: 01/25/2012 10:34 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60113525

QC Batch:	WET/33041	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60113525001, 60113525002		

METHOD BLANK: 938803 Matrix: Water

Associated Lab Samples: 60113525001, 60113525002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	01/13/12 10:35	

SAMPLE DUPLICATE: 938804

Parameter	Units	60113492001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	8.0			25

SAMPLE DUPLICATE: 938805

Parameter	Units	60113531003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	19.0	19.0	0		25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60113525

QC Batch:	WET/33030	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	60113525001, 60113525002		

SAMPLE DUPLICATE: 938381

Parameter	Units	60113525002	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
pH at 25 Degrees C	Std. Units	6.5	6.6	1	5	H6

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60113525

QC Batch: WETA/18987 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 60113525001, 60113525002

METHOD BLANK: 940740 Matrix: Water

Associated Lab Samples: 60113525001, 60113525002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	ND	0.20 01/20/12 11:42	
Sulfate	mg/L	ND	ND	1.0 01/20/12 11:42	

LABORATORY CONTROL SAMPLE: 940741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	2.5	2.4	94	90-110	
Sulfate	mg/L	5	4.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 940742 940743

Parameter	Units	60113512001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	ND	500	500	505	498	101	100	75-110	99	61-119	2	10	
Sulfate	mg/L	2550	1000	1000	3480	3540	92	99	61-119	99	61-119	2	10	

MATRIX SPIKE SAMPLE: 940744

Parameter	Units	60113512010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	ND	12.5	13.1	98	75-110	
Sulfate	mg/L	22.3	25	43.3	84	61-119	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60113525

QC Batch: WETA/18958 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60113525001, 60113525002

METHOD BLANK: 939616 Matrix: Water

Associated Lab Samples: 60113525001, 60113525002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	01/17/12 13:47	

LABORATORY CONTROL SAMPLE: 939617

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	105	90-110	

MATRIX SPIKE SAMPLE: 939618

Parameter	Units	60113525001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.0	2	3.9	98	90-110	

MATRIX SPIKE SAMPLE: 939619

Parameter	Units	60113525002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5.8	4	9.0	80	90-110 MO	

SAMPLE DUPLICATE: 939620

Parameter	Units	60113526002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	5.3	5.3	0	18	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60113525

QC Batch:	WETA/18930	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples:	60113525001, 60113525002		

METHOD BLANK: 938318
Associated Lab Samples: 60113525001, 60113525002

		Matrix: Water			
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	01/12/12 13:59	

LABORATORY CONTROL SAMPLE: 938319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.6	1.7	109	90-110	

MATRIX SPIKE SAMPLE: 938320

Parameter	Units	60113525002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	4.3	1.6	6.1	112	90-110 MO	

MATRIX SPIKE SAMPLE: 938322

Parameter	Units	60113525001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	6.5	3.2	10.0	111	90-110 MO	

SAMPLE DUPLICATE: 938321

Parameter	Units	60113525001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	2.2	2.2	0	15	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60113525

QC Batch: WETA/18961 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 60113525001, 60113525002

METHOD BLANK: 939634 Matrix: Water

Associated Lab Samples: 60113525001, 60113525002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	01/18/12 09:41	

LABORATORY CONTROL SAMPLE: 939635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.2	109	90-110	

MATRIX SPIKE SAMPLE: 939636

Parameter	Units	60113595001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.85	2	3.0	106	72-121	

MATRIX SPIKE SAMPLE: 939637

Parameter	Units	60113716001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1.1	2	3.3	109	72-121	

SAMPLE DUPLICATE: 939638

Parameter	Units	60113539002 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	2.0	2.0	1	15	

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 60113525

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY NPDES
Pace Project No.: 60113525

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60113525001	SL001	SM 2540D	WET/33041		
60113525002	WT003	SM 2540D	WET/33041		
60113525001	SL001	SM 4500-H+B	WET/33030		
60113525002	WT003	SM 4500-H+B	WET/33030		
60113525001	SL001	EPA 300.0	WETA/18987		
60113525002	WT003	EPA 300.0	WETA/18987		
60113525001	SL001	EPA 350.1	WETA/18958		
60113525002	WT003	EPA 350.1	WETA/18958		
60113525001	SL001	EPA 353.2	WETA/18930		
60113525002	WT003	EPA 353.2	WETA/18930		
60113525001	SL001	EPA 365.4	WETA/18961		
60113525002	WT003	EPA 365.4	WETA/18961		

February 27, 2012

Keith Brown
PCS Phosphate Company Inc.
PO Box 225
301 State Line Road
Joplin, MO 64802

RE: Project: MONTHLY NPDES
Pace Project No.: 60115383

Dear Keith Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on February 15, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

cc: Mr. Doug Engel, PCS Phosphate Company, Inc.
Mr. Kamyar Manesh, FI Missouri Remediation Trust



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MONTHLY NPDES
Pace Project No.: 60115383

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NE LAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MONTHLY NPDES
Pace Project No.: 60115383

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60115383001	SL001	Water	02/14/12 16:45	02/15/12 22:30
60115383002	WT003	Water	02/14/12 16:30	02/15/12 22:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MONTHLY NPDES
Pace Project No.: 60115383

Lab ID	Sample ID	Method	Analysis	Analytes Reported
60115383001	SL001	SM 2540D	CMG	1
		SM 4500-H+B	OL	1
		EPA 300.0	SRM1	2
		EPA 350.1	AJM	1
		EPA 353.2	LAJ	1
		EPA 365.4	AJM	1
		SM 2540D	CMG	1
		SM 4500-H+B	OL	1
		EPA 300.0	SRM1	2
		EPA 350.1	AJM	1
60115383002	WT003	EPA 353.2	LAJ	1
		EPA 365.4	AJM	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MONTHLY NPDES
Pace Project No.: 60115383

Sample: SL001		Lab ID: 60115383001	Collected: 02/14/12 16:45	Received: 02/15/12 22:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids			Analytical Method: SM 2540D					
Total Suspended Solids	ND	mg/L	5.0	1		02/17/12 14:49		
4500H+ pH, Electrometric			Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	7.6	Std. Units	0.10	1		02/16/12 11:45		H6
300.0 IC Anions 28 Days			Analytical Method: EPA 300.0					
Fluoride	2.0	mg/L	0.20	1		02/23/12 22:08	16984-48-8	
Sulfate	253	mg/L	20.0	20		02/23/12 22:23	14808-79-8	
350.1 Ammonia			Analytical Method: EPA 350.1					
Nitrogen, Ammonia	2.2	mg/L	0.10	1		02/22/12 12:45	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres			Analytical Method: EPA 353.2					
Nitrogen, Nitrate	2.0	mg/L	0.10	1		02/16/12 13:06		
365.4 Total Phosphorus			Analytical Method: EPA 365.4					
Phosphorus	1.1	mg/L	0.10	1		02/24/12 11:11	7723-14-0	
Sample: WT003		Lab ID: 60115383002	Collected: 02/14/12 16:30	Received: 02/15/12 22:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids			Analytical Method: SM 2540D					
Total Suspended Solids	ND	mg/L	5.0	1		02/17/12 14:49		
4500H+ pH, Electrometric			Analytical Method: SM 4500-H+B					
pH at 25 Degrees C	6.8	Std. Units	0.10	1		02/16/12 11:45		H6
300.0 IC Anions 28 Days			Analytical Method: EPA 300.0					
Fluoride	3.8	mg/L	0.20	1		02/23/12 22:38	16984-48-8	
Sulfate	722	mg/L	50.0	50		02/23/12 22:53	14808-79-8	
350.1 Ammonia			Analytical Method: EPA 350.1					
Nitrogen, Ammonia	6.7	mg/L	0.50	1		02/22/12 13:48	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres			Analytical Method: EPA 353.2					
Nitrogen, Nitrate	4.2	mg/L	0.10	1		02/16/12 13:05		
365.4 Total Phosphorus			Analytical Method: EPA 365.4					
Phosphorus	0.22	mg/L	0.10	1		02/24/12 11:14	7723-14-0	

Date: 02/27/2012 02:09 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60115383

QC Batch:	WET/33543	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	60115383001, 60115383002		

METHOD BLANK: 952766 Matrix: Water

Associated Lab Samples: 60115383001, 60115383002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	02/17/12 14:47	

SAMPLE DUPLICATE: 952767

Parameter	Units	60115452001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND			25

SAMPLE DUPLICATE: 952768

Parameter	Units	60115382001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	ND			25

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60115383

QC Batch:	WET/33530	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	60115383001, 60115383002		

SAMPLE DUPLICATE: 962362

Parameter	Units	60115275001	Dup Result	RPD	Max RPD	Qualifiers
		Result				
pH at 25 Degrees C	Std. Units	7.9	7.9	0		5 H6

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60115383

QC Batch:	WETA/19297	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	60115383001, 60115383002		

METHOD BLANK: 955286
Associated Lab Samples: 60115383001, 60115383002

		Matrix: Water			
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	0.20	02/23/12 15:01	
Sulfate	mg/L	ND	1.0	02/23/12 15:01	

LABORATORY CONTROL SAMPLE: 955287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	5	5.0	101	90-110	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60115383

QC Batch: WETA/19281 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 60115383001, 60115383002

METHOD BLANK: 954669 Matrix: Water

Associated Lab Samples: 60115383001, 60115383002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	02/22/12 12:21	

LABORATORY CONTROL SAMPLE: 954670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2	2.1	106	90-110	

MATRIX SPIKE SAMPLE: 954671

Parameter	Units	60115393001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.6	2	6.2	80	90-110	MO

MATRIX SPIKE SAMPLE: 954672

Parameter	Units	60115397002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	2	2.2	104	90-110	

SAMPLE DUPLICATE: 954673

Parameter	Units	60115336012 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	12.1	11.9	2	18	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60115383

QC Batch:	WETA/19231	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples:	60115383001, 60115383002		

METHOD BLANK: 952255 Matrix: Water
Associated Lab Samples: 60115383001, 60115383002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	02/16/12 13:01	

LABORATORY CONTROL SAMPLE: 952256

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.6	1.7	108	90-110	

MATRIX SPIKE SAMPLE: 952257

Parameter	Units	60115342001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	24.6	16	34.1	60	90-110	MO

MATRIX SPIKE SAMPLE: 952259

Parameter	Units	60115405001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	4.0	3.2	7.8	119	90-110	MO

SAMPLE DUPLICATE: 952258

Parameter	Units	60115383001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	2.0	2.0	0	15	

QUALITY CONTROL DATA

Project: MONTHLY NPDES
Pace Project No.: 60115383

QC Batch:	WETA/19302	Analysis Method:	EPA 365.4
QC Batch Method:	EPA 365.4	Analysis Description:	365.4 Phosphorus
Associated Lab Samples:	60115383001, 60115383002		

METHOD BLANK:	955344	Matrix:	Water
Associated Lab Samples:	60115383001, 60115383002		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	02/24/12 11:06	

LABORATORY CONTROL SAMPLE: 955345						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2	2.1	105	90-110	

MATRIX SPIKE SAMPLE: 955346							
Parameter	Units	60115477004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	0.92	2	3.1	108	72-121	

MATRIX SPIKE SAMPLE: 955347							
Parameter	Units	60115383001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1.1	2	3.3	109	72-121	

SAMPLE DUPLICATE: 955350						
Parameter	Units	60115335013 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	mg/L	3.3	3.2	3	15	

QUALIFIERS

Project: MONTHLY NPDES
Pace Project No.: 60115383

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY NPDES
Pace Project No.: 60115383

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60115383001	SL001	SM 2540D	WET/33543		
60115383002	WT003	SM 2540D	WET/33543		
60115383001	SL001	SM 4500-H+B	WET/33530		
60115383002	WT003	SM 4500-H+B	WET/33530		
60115383001	SL001	EPA 300.0	WETA/19297		
60115383002	WT003	EPA 300.0	WETA/19297		
60115383001	SL001	EPA 350.1	WETA/19281		
60115383002	WT003	EPA 350.1	WETA/19281		
60115383001	SL001	EPA 353.2	WETA/19231		
60115383002	WT003	EPA 353.2	WETA/19231		
60115383001	SL001	EPA 365.4	WETA/19302		
60115383002	WT003	EPA 365.4	WETA/19302		

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD December 01 Through December 31, 2008	
DATE SAMPLED	12/1/2008					
TIME OF DAY SAMPLED	16:30:00 PM					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	12/3/2008					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	18	b	ESTIMATE		
TOTAL SUSPENDED SOLIDS	mg/l	21.0	a	EPA 160.2		
pH	Units	7.50	a	EPA 150.1		
TEMPERATURE	°F	44	a	EPA 170.1		
FLUORIDE	mg/l	ND	a	EPA 300.0		
PHOSPHORUS	mg/l	1.10	a	EPA 365.4	Bypass pipe still out of service. Awaiting	
NO ₃ - N	mg/l	0.55	a	EPA 300.0	delivery of Materials to replace 80 ft.	
NH ₃ - N	mg/l	0.7	a	EPA 350.1		
SULFATES	mg/l	82.7	a	EPA 300.0		
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD December 01 Through December 31, 2008	
DATE SAMPLED	12/1/2008					
TIME OF DAY SAMPLED	16:50:00 PM					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	12/3/2008					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	20.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.40	a	EPA 150.1	
TEMPERATURE	°F	NONE	46	a	EPA 170.1	
FLUORIDE	mg/l	8.00	ND	a	EPA 300.0	
PHOSPHORUS	mg/l	1	0.17	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	0.97	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	1.1	a	EPA 350.1	
SULFATES	mg/l	NONE	294	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD September 01 Through September 30, 2008	
DATE SAMPLED	9/2/2008					
TIME OF DAY SAMPLED	6:30					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	9/3/2008					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	ND	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.20	a	EPA 150.1	
TEMPERATURE	°F	NONE	70	a	EPA 170.1	
FLUORIDE	mg/l	8.00	2.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.62	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	2.20	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	3.8	a	EPA 350.1	
SULFATES	mg/l	NONE	329	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD September 01 Through September 30, 2008	
DATE SAMPLED	9/2/2008					
TIME OF DAY SAMPLED	6:45					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	9/3/2008					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	9.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.00	a	EPA 150.1	
TEMPERATURE	°F	NONE	76	a	EPA 170.1	
FLUORIDE	mg/l	8.00	5.4	a	EPA 300.0	
PHOSPHORUS	mg/l	1	0.52	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	3.3	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	15.9	a	EPA 350.1	
SULFATES	mg/l	NONE	1020	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

January 4, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of December 1, 2006 through December 31, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.80 inches. Please note that the Phosphorus concentration from Short Creek at the state line is 1.2 milligram per liter. We will continue the water treatment activities and decide on a corrective course of action following the planned meeting with EPA and MDNR on January 24, 2007.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

January 5, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period December 1, 2004 through December 31, 2004 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.34 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

January 7, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of December 1, 2012, through December 31, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.

January 7, 2013

Page 2

- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.
- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust prepared and submitted a draft Access Agreement for use by the City of Joplin, Jasper County, and U.S. Environmental Protection Agency (EPA) in anticipation of use of the stack for storage of lead and zinc impacted soils in November 2012.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during December 2012 reporting period.

- Shaw completed the service and maintenance of the Leachate Collection System on December 13, 2012. The Leachate Collection system is operating as designed.
- Shaw collected water samples on December 13, 2012, in accordance with the November 7, 2012 Sampling Plan. The results will be submitted with the System Inspection Report.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

January 7, 2013
Page 4

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Leasue Meyers, Environmental Engineer
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
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SELS Administrative Services, L.L.C.

January 8, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of December 1, 2009, through December, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.03 inches. The Phosphate concentration at the Short Creek sampling station and at Outfall #003 were below 1.0 parts per million.

- The Trust submitted a feasibility study to address the long term containment and treatment of leachate from the gyp stack. The Trust and MDNR met on August 6, 2009 to review alternatives and develop an action plan. The Trust submitted a work plan on August 27, 2009 to define the data gaps and plan for collecting the necessary data to design the proposed containment system. On September 11, 2009 state provided comments and authorization to proceed. On September 15, 2009 a revised work plan was submitted and followed by data collection on September 24, 2009. A total of 12 soil borings were installed, four borings along the southern extent of the two drains, and eight along the centerline of the proposed slurry wall. The borings were logged and depth to bedrock was identified to assist with the final design. Shaw reviewed soil boring and survey data with MDNR and worked on administrative procedures to retain Naturally Wallace, LLC (wetland company) to assist in design and evaluation process. Shaw is currently working on the hydraulic containment system design report and coordinating the wetland evaluation project with the consultant. We anticipate submitting draft reports to MDNR in February 2010.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program

Megan Hart, MDNR, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
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Fax 913.451.2005

SELS Administrative Services, L.L.C.

January 4, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of December 1, 2005 through December 31, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 0.42 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

January 5, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of December 1, 2008 through December 31, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.51 inches.

The Phosphorus concentration at Short Creek sampling point was 1.1 milligram per liter. Based on our discussions with PCS, it appears that the intake by pass pipe is blocked by a beaver dam and very little flow is by passing the system resulting in water going over the low water dam. A professional trapper has been contacted to trap the beavers and remove the dam. PCS is also in the process of replacing 80 feet of the by pass pipe that has been blocked.

On December 16, 2008, the Trust and MDNR discussed MDNR's comments on the permit application and Engineering report to relocate the waste water treatment plant. In letter dated December 17, 2008, the Trust requested for a 90-day extension to address the comments and also initiate a Feasibility Study to evaluate long term remediation options.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



11206 Thompson Ave
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SELS Administrative Services, L.L.C.

January 5, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of December 1, 2011, through December 31, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.98 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.10 mg/l. Rainfall for the period totaled 2.76 inches.

The following are the highlights of pertinent activities during December 2011.

- On December 14, 2011, Shaw sent "Request for Bid" documents to three subcontractors (EMA, Hulcher, and RSI) to commence construction of the approved leachate collection system.
- On December 21, 2011, The Trust and Shaw conducted a site walk with the potential bidders to answer questions.
- Shaw and the Trust responded to questions from the bidders during the remaining days of the year.
- The bids are due on January 9, 2012.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



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SELS Administrative Services, L.L.C.

January 10, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of December 1, 2010, through December 31, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.59 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.19mg/l. Rainfall for the period totaled 1.52 inches.

The following are the highlights of pertinent activities during December 2010.

- Finalized draft plans and specifications for channel cleanout.
- On December 6, 2010 submitted draft plans for channel cleanout and regrading to MDNR.
- Requested for clarification on the format of the construction permit.
- We are currently waiting to receive comments and/or approval for the December 6, 2010 plans. We are also waiting to receive specific directions on the format of the construction permit and approval for the construction expenditures.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator

January 10, 2011

Page 2

Fl Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC:

Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

February 2, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of January 1, 2009 through January 31, 2009 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.31 inches.

The Phosphorus concentration at Short Creek sampling point was 2.6 milligram per liter. As reported last month the intake by pass pipe was blocked by a beaver dam. An 80-ft damaged section of the pipe was also replaced in January 2009. During the repairs the water was going over the low water dam.

On December 16, 2008, the Trust and MDNR discussed MDNR's comments on the permit application and Engineering report to relocate the waste water treatment plant. In letter dated December 17, 2008, the Trust requested for a 90-day extension to address the comments and also initiate a Feasibility Study to evaluate long term remediation options.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
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SELS Administrative Services, L.L.C.

February 4, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of January 1, 2009, through January 31, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.4 inches. The Phosphate concentration at the Short Creek sampling station and at Outfall #003 were below 1.0 parts per million.

- The Trust submitted a feasibility study to address the long term containment and treatment of leachate from the gyp stack. The Trust and MDNR met on August 6, 2009 to review alternatives and develop an action plan. The Trust submitted a work plan on August 27, 2009 to define the data gaps and plan for collecting the necessary data to design the proposed containment system. On September 11, 2009 state provided comments and authorization to proceed. On September 15, 2009 a revised work plan was submitted and followed by data collection on September 24, 2009. A total of 12 soil borings were installed, four borings along the southern extent of the two drains, and eight along the centerline of the proposed slurry wall. The borings were logged and depth to bedrock was identified to assist with the final design. Shaw is currently working on the hydraulic containment system design report and coordinating the wetland evaluation project with the consultant. We anticipate submitting draft reports to MDNR in February 2010.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

12/27/2013

Page 2

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

February 5, 2007

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of January 1, 2007 through January 31, 2007 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.54 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

February 6, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of January 1, 2008 through January 31, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.07 inches.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. We will be contacting you with regard to the planning, permits and construction schedule in the next few weeks.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

February 6, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of January 1, 2013, through January 31, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists, the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.

- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.
- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust prepared and submitted a draft Access Agreement for use by the City of Joplin, Jasper County, and U.S. Environmental Protection Agency (EPA) in anticipation of use of the stack for storage of lead and zinc impacted soils in November 2012.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during January 2013 reporting period.

- Shaw conducted monthly inspection, repairs and surface water sampling on January 16th, and 23rd, 2013.
- Shaw constructed a security fence along Malang Road and at SW entrance of the property on January 23, 2013.
- Two magnetic flow meters and replacement hoses were ordered for MH1N on January 28, 2013.
- On January 31, 2013, Shaw submitted the monthly Monitoring Report to MDNR.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

February 6, 2013
Page 4

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Leasue Meyers, Environmental Engineer
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

February 8, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period January 1, 2005 through January 31, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 5.1 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

February 1, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of January 1, 2006 through January 31, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.05 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

February 7, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of January 1, 2011, through January 31, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.38 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.11mg/l. Rainfall for the period totaled 0.26 inches.

The following are the highlights of pertinent activities during January 2011.

- Based on conversation with Mr. Van Dyke on January 12, 2011, MDNR is reviewing the December 6, 2010 draft plans for channel cleanout and regarding. Once this document is approved we will solicit proposals from vendors to start the construction process.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

February 7, 2011

Page 2

CC:

Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

February 9, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of January 1, 2012, through January 31, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.71 milligram per liter (mg/l). The phosphate was not detected at Outfall #003, (the Wastewater Treatment Plant discharge). Rainfall for the period totaled 0.16 inches.

The following are the highlights of pertinent activities during December 2011.

- Bids for construction of Leachate Collection System were received on January 9, 2012.
- The Trust with concurrence from MDNR awarded Hulcher to construct the Leachate Collection System.
- Trust and Hulcher met on January 19, 2011 to discuss mobilization and project logistics.
- Hulcher mobilized equipment and personnel on January 23, 2012.
- During the last week of January 2012, materials were delivered and staged, clearing and grubbing were done, and the construction of the catch basin was started.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

February 9, 2012

Page 2

CC:

Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

March 2, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of February 1, 2009, through February 28, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.61 inches.

The Phosphorus concentration at Short Creek sampling point was below 1.0 milligram per liter following the repair of an 80-foot damaged section of the pipe that was replaced in January 2009. As reported last month, the intake by-pass pipe was blocked by a beaver dam, and during the repairs the water was going over the low water dam.

On December 16, 2008, the Trust and MDNR discussed MDNR's comments on the permit application and Engineering report to relocate the waste water treatment plant. In letter dated December 17, 2008, the Trust requested a 90-day extension to address the comments and also initiate a Feasibility Study to evaluate long-term remediation options. In February 2009, Shaw conducted the following activities:

- Addressed MDNR Comments for the WWTP Relocation Construction Permit Application
- Initiated the Focused Feasibility Study
 - Conducted a Site Walk with engineers to familiarize the Feasibility Study team with the site logistics.
 - Contracted Stantec (NAWE) to conduct the wetlands evaluation
 - Identified data gaps
 - Selected contractor to provide aerial photograph with 2-foot contours
 - Attended Meeting with MDNR, EPA, and KDHE to discuss constructing a wetland on Short Creek near the Spring River to address mine waste.
- Revised analyte list for the Metals Investigation to include wetland requirements and WQRS analytes.
- Coordinated sampling for March 3, 2009

12/27/2013

Page 2

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
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SELS Administrative Services, L.L.C.

March 5, 2007

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of February 1, 2007 through February 28, 2007 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.08 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

March 7, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period February 1, 2005 through February 28, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.36 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
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SELS Administrative Services, L.L.C.

March 7, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of February 1, 2008 through February 29, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.82 inches.

The Phosphorus concentration at Short Creek station was 1.1 milligram per liter which is above the 1.0 milligram per liter permitted amount. As you know we are in the process of performing a feasibility study to enhance the capture system of the gypsum stack. The result form Outfall 003 (effluent of the waste water treatment plant) confirms that the plant is operating effectively removing the phosphate from the influent water.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. We will be contacting you with regard to the planning, permits and construction schedule in the next few weeks.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

March 8, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of February 1, 2010, through February 28, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 0.88 inches. The Phosphate concentration at the Short Creek sampling station and at Outfall #003 were below 1.0 parts per million.

The following is the highlight of pertinent activities during February 2010.

- The Trust submitted the Treatability Work Plan Treatment Wetland Design document to MDNR.
- Shaw has been working on resolving design issues related to hydraulic containment system
- PCS Phosphate notified the Trust in a letter dated February 22, 2010 that they will terminate the Agreement for operating the existing waste treatment plant on February 2012.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

12/27/2013

Page 2

CC: Donald Van Dyke, MDNR, Hazardous Waste Program

Megan Hart, MDNR, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

March 8, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of February 1, 2013, through February 28, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.
- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust prepared and submitted a draft Access Agreement for use by the City of Joplin, Jasper County, and U.S. Environmental Protection Agency (EPA) in anticipation of use of the stack for storage of lead and zinc impacted soils in November 2012.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during January 2013 reporting period.

- The Trust and EPA are negotiating the terms of an access agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property.
- CBI, formerly Shaw, conducted monthly inspection, repairs and surface water sampling on February 19, 2013.
- CBI's attempt to install two magnetic flow meters and replacement hoses were delayed due to inclement weather on February 20, 2013.
- Per MDNR's request, CBI attempted to burn the brush pile generated during the clearing of the past year activities.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Leasue Meyers, Environmental Engineer
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

March 8, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of February 1, 2013, through February 28, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.
- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust prepared and submitted a draft Access Agreement for use by the City of Joplin, Jasper County, and U.S. Environmental Protection Agency (EPA) in anticipation of use of the stack for storage of lead and zinc impacted soils in November 2012.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during January 2013 reporting period.

- The Trust and EPA are negotiating the terms of an access agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property.
- CBI, formerly Shaw, conducted monthly inspection, repairs and surface water sampling on February 19, 2013.
- CBI's attempt to install two magnetic flow meters and replacement hoses were delayed due to inclement weather on February 20, 2013.
- Per MDNR's request, CBI attempted to burn the brush pile generated during the clearing of the past year activities.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
Fl Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Leasue Meyers, Environmental Engineer
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

March 8, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of February 1, 2013, through February 28, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists, the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.

- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.
- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust prepared and submitted a draft Access Agreement for use by the City of Joplin, Jasper County, and U.S. Environmental Protection Agency (EPA) in anticipation of use of the stack for storage of lead and zinc impacted soils in November 2012.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during January 2013 reporting period.

- The Trust and EPA are negotiating the terms of an access agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property.
- CBI, formerly Shaw, conducted monthly inspection, repairs and surface water sampling on February 19, 2013.
- CBI's attempt to install two magnetic flow meters and replacement hoses were delayed due to inclement weather on February 20, 2013.
- Per MDNR's request, CBI attempted to burn the brush pile generated during the clearing of the past year activities.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
Fl Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Leasue Meyers, Environmental Engineer
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



11206 Thompson Ave
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913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

March 2, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of February 1, 2011, through February 28, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.58 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was none detect. Rainfall for the period totaled 2.46 inches.

The following are the highlights of pertinent activities during February 2011.

- Based on conversation with Mr. Van Dyke on January 12, 2011, MDNR is reviewing the December 6, 2010 draft plans for channel cleanout and grading.
- Identified contractors to perform the channel clean out and grading and initiated contractor pre-approval process.
- On February 9, 2011, obtained approval from MDNR to solicit bids for the channel clean out and grading, but not award the contract.
- On February 17, 2011, solicited Request for Quotation (RFQ) to contractor for the channel clean out and grading.
- On February 22, 2011, conducted a site walk with the pre qualified contractors and MDNR to answer questions and clarify construction, access, and permitting related issues. .

March 2, 2011

Page 2

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
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SELS Administrative Services, L.L.C.

March 9, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of February 1, 2006 through February 28, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 0.01 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

March 12, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of February 1, 2012, through February 29, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 1.1 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.22 mg/l. Rainfall for the period totaled 2.58 inches. The phosphate concentration at the Short Creek sampling station was slightly above 1.0 mg/l due to construction activities.

The following are the highlights of pertinent activities during February 2012.

- On February 8, 2012, the Trust confirmed the termination of interim agreement with Potash Corp (PCS) for operation and maintenance of Water Treatment Plant.
- The construction of Leachate Collection System continued during this reporting period.
- The Trust met with PCS regarding specific tasks for termination of Water Treatment Plant operation and notified MDNR.
- The Trust met with PCS regarding the dismantling and removal of existing Water Treatment Plant. The trust will meet with subcontractors in March 2012 to obtain cost estimate for dismantling and removal.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



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SELS Administrative Services, L.L.C.

April 2, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of March 1, 2008 through March 31, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 7.63 inches.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. We will be contacting you with regard to the planning, permits and construction schedule in the next few weeks.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

April 6, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of March 1, 2009, through March 31, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.85 inches.

The Phosphorus concentration at Short Creek sampling point was 1.0 milligram per liter following the repair of an 80-foot damaged section of the pipe that was replaced in January 2009.

On December 16, 2008, the Trust and MDNR discussed MDNR's comments on the permit application and Engineering report to relocate the waste water treatment plant. In a letter dated December 17, 2008, the Trust requested a 90-day extension to address the comments and also initiate a Feasibility Study to evaluate long-term remediation options. In March 2009, Shaw conducted the following activities:

- Collected water samples for Metals Investigation, March 3, 2009
- Submitted the revised Construction Permit Application on March 12, 2009
- Submitted test data to NAWVE to finalize wetland evaluation
- Prepared draft Metals Investigation report, waiting on radionuclide test results to complete.
- Started preparing Focused FS report (slurry wall, cap/cover, lined channel sections)

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

12/27/2013

Page 2

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

SELS Administrative Services, L.L.C.

April 4, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of March 1, 2013, through March 31, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.
- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust prepared and submitted a draft Access Agreement for use by the City of Joplin, Jasper County, and U.S. Environmental Protection Agency (EPA) in anticipation of use of the stack for storage of lead and zinc impacted soils in November 2012.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during January 2013 reporting period.

- The Trust and EPA are negotiating the terms of an access agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property.
- CBI, formerly Shaw, conducted monthly inspection, repairs and surface water sampling on March 13-14, 2013.
- On March 27, 2013, the Trust received a draft Missouri State Operating Permit for review and comment. The draft permit is a no discharge permit with provisions for emergency sampling and compliance as well as preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP).

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Alan Moreau, MDNR
Mark Finney, CBI

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Allen Moreau, Environmental Specialist
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

April 5, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of March 1, 2010, through March 31, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 4.29 inches. The Phosphate concentration at the Short Creek sampling station and at Outfall #003 were below 1.0 parts per million.

The following is the highlight of pertinent activities during February 2010.

- The Trust submitted the Treatability Work Plan Treatment Wetland Design document to MDNR and received a letter from MDNR indicating an authorization to proceed to the next phase.
- Shaw has been working on resolving design issues related to hydraulic containment system. Shaw has prepared a summary of letter outlining constructability issues and cost associated with several design options. This document will be submitted to MDNR in April 2010.
- PCS Phosphate notified the Trust in a letter dated February 22, 2010 that they will terminate the Agreement for operating the existing waste treatment plant on February 2012. PCS requested a meeting with MDNR in April 2010. We are waiting on MDNR to provide dates for this meeting.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kanyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program

Megan Hart, MDNR, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

April 7, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period March 1, 2005 through March 31, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.08 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

April 9, 2007

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of March 1, 2007 through March 31, 2007 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.42 inches.

Please note that the Phosphorus concentration from Short Creek at Outfall 003 was 1.1 milligram per liter but 0.53 milligram per liter at Short Creek compliance point. The Total Suspended Solids were above 50.0 milligram per liter in February and March at Outfall 003. We received a letter dated March 14, 2007 from Mr. Kevin Hess (attached) about the reported concentrations. As you know we are working with you on a short and long term plans for treating the seepage from gypstack. We will continue the water treatment activities and decide on a corrective course of action after we hear from you about our proposal(s) outlined in our March 2, 2007 letter.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Kevin Hess



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

April 3, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of March 1, 2006 through March 31, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.57 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

April 9, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of March 1, 2012, through March 31, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture and treatment system is being constructed.

The following are the highlights of pertinent activities during March 2012.

- The construction of Leachate Collection System continued during this reporting period.
- The operation of Waste Water Treatment system was terminated on March 1, 2012 and . Outfall 003 no longer exists.
- Trust requested MDNR to provide direction with regard to continuing compliance monitoring during the Leachate Collection construction period.
- MDNR indicated that they need from the Trust a completed Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is in the process of completing these forms.
- There were no samples collected or analyzed during this reporting period.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

April 8, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of March 1, 2011, through March 31, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.50 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.12 mg/l. Rainfall for the period totaled 5.18 inches.

The following are the highlights of pertinent activities during March 2011.

- The Trust received verbal authorization to proceed with selection of contractor to implement the channel cleanout and grading.
- A total of six contractors submitted bids to perform the work. The bids were summarized and were sent to MDNR for input. The Trust will contract with one of the bidders subject to MDNR's approval.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

March 2, 2011

Page 2

CC: Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
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SELS Administrative Services, L.L.C.

May 3, 2007

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of April 1, 2007 through April 30, 2007 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 4.28 inches.

Please note that the Phosphorus concentration from Short Creek at state line was 1.1 milligram per liter but non-detect at outfall 003. The Total Suspended Solids were below 50.0 milligram per liter in April 2007.

As you know we are working with you on a short and long term plans for treating the seepage from gypstack. We will continue the water treatment activities and decide on a corrective course of action after we hear from you about our proposal(s) outlined in our March 2, 2007 letter.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

May 5, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of April 1, 2009, through April 30, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 8.26 inches.

The Phosphorus concentration at Short Creek sampling point was 1.0 milligram per liter following the repair of an 80-foot damaged section of the pipe that was replaced in January 2009.

On December 16, 2008, the Trust and MDNR discussed MDNR's comments on the permit application and Engineering report to relocate the waste water treatment plant. In a letter dated December 17, 2008, the Trust requested a 90-day extension to address the comments and also initiate a Feasibility Study to evaluate long-term remediation options. In April 2009, Shaw conducted the following activities:

- Responded to "Public Notice for Proposed State Operating Permit for Former Farmland Industries Gypstack Leachate Treatment, Jasper County", dated April 3, 2009.
- Worked on the draft Metals Investigation report.
- Received preliminary evaluation and applicability of the engineered wetland
- Prepared draft Metals Investigation report.
- Continued work on the Focused FS report

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

12/27/2013

Page 2

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

May 6, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of April 1, 2013, through April 30, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.
- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust prepared and submitted a draft Access Agreement for use by the City of Joplin, Jasper County, and U.S. Environmental Protection Agency (EPA) in anticipation of use of the stack for storage of lead and zinc impacted soils in November 2012.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during April 2013 reporting period.

- The Trust and EPA are negotiating the terms of an access agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property. The Trust Residual Beneficiary wanted to meet with EPA and MDNR to clarify certain issues with regard to the draft access agreement. This meeting is scheduled for May 7, 2013.
- CBI, formerly Shaw, conducted monthly inspection, repairs and surface water sampling on April 17, 2013.
- On March 27, 2013, the Trust received a draft Missouri State Operating Permit for review and comment. The draft permit is a no discharge permit with provisions for emergency sampling and compliance as well as preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP). The Trust contacted MDNR with questions and clarifications about deliverables in April. MDNR will have the permit available for public review before issuing a final permit.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Alan Moreau, MDNR
Mark Finney, CBI

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Allen Moreau, Environmental Specialist
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

April 9, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period April 1, 2005 through April 30, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.12 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

May 12, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of April 1, 2008 through April 30, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 7.42 inches.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. We will be contacting you with regard to the planning, permits and construction schedule in the next few weeks.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

May 12, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of April , 2010, through April 30, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.94 inches. The phosphate concentration at the Short Creek sampling station was 1.6 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.2 mg/l. We believe the excess phosphate concentrations at the Short Creek sampling station is due to the fact the inlet of the 24" bypass line had failed. The anchor point that had been installed to hold the end of the pipe down failed allowing the inlet of the pipe to raise thus allowing water to run over the dam and not into the bypass line. PCS indicated that they are in the process of correcting the problem. PCS planned to install large concrete blocks on the sides of this line and securing the line to the concrete blocks so the inlet of the bypass line will remain lower than the dam spillway. The pond had to be drained to complete the work.

The following is the highlight of pertinent activities during April 2010.

- On April 6, 2010, Shaw finalized the "Leachate Management System Design Evaluation" letter report. On April 6, 2010, the Trust received an e-mail from Ms. Megan Hart advising that "...prior to construction of any pilot program or permanent structure Water Pollution must issue a construction permit." Ms. Hart also indicated that all further correspondence to be addressed to Mr. Kevin Hess, Water Pollution Section Chief. We are currently waiting on MDNR to select one of the recommended design options before proceeding further with planning and construction of the Leachate Management System.
- On April 27, 2010, the Trust submitted Shaw's scope of work, budget, and schedule to implement the column test and pilot testing portion of the proposed Engineered Wetland. MDNR has notified the Trust that based on the schedule and the cost, MDNR wants to have an internal discussion before issuing its comments on this document. We are currently waiting on MDNR's instructions.

- PCS Phosphate notified the Trust in a letter dated February 22, 2010 that they will terminate the Agreement for operating the existing waste treatment plant on February 2012. PCS requested a meeting with MDNR. MDNR has agreed to meet with PCS and the Trust on May 26, 2010.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



4400 College Boulevard, Suite 350
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913.317.2623
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SELS Administrative Services, L.L.C.

May 3, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of April 1, 2006 through April 31, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 4.88 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davies



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

May 10, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of April 1, 2011, through April 30, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.96 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was not detected. Rainfall for the period totaled 6.37 inches.

The following are the highlights of pertinent activities during April 2011.

- The Trust retained Environmental Management Alternatives (EMA) to perform the channel clean up scope of work. MDNR also approved EMA to perform the work. A slight delay occurred shortly after the start of the project due to heavy rain falls on April 23, 24, and 25th. This work is currently in progress.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

May 10, 2011

Page 2

CC:

Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
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Fax 913.451.2005

SELS Administrative Services, L.L.C.

June 2, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of May 1, 2008 through May 31, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 10.79 inches.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. Shaw is currently working on the design and permitting. The Trust submitted it's NPDES renewal application on September 27, 2007. To date we have not received a response from MDNR regarding the status of our NPDES renewal. The Trust is working on coordinating a meeting with MDNR to review the status of the permits and relocation project.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

June 2, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of May 1, 2010, through May 31, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 7.75 inches. The phosphate concentration at the Short Creek sampling station was 0.36 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.98 mg/l. The repairs to the 24" bypass line were completed in May. The anchor point, that had been installed to hold the end of the pipe down, failed allowing the inlet of the pipe to raise thus allowing water to run over the dam and not into the bypass line. PCS installed large concrete blocks on the sides of this line and securing the line to the concrete blocks so the inlet of the bypass line now remains lower than the dam spillway.

The following is the highlight of pertinent activities during April 2010.

- On May 26, 2010, the representatives of MDNR, PCS, Trust, Shaw, and CERTUS met at Joplin to recap the progress made to date toward the resolution of proposed remediation and future activities at the site. Mr. Van Dyke indicated that he is planning an internal meeting to formulate a response to the proposed leachate collection system and the column tests for design of the Engineered Wet Land proposal. The Trust is currently waiting on MDNR for approval and directions on these proposals.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



4400 College Boulevard, Suite 350
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Fax 913.451.2005

SELS Administrative Services, L.L.C.

June 6, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period May 1, 2005 through May 31, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.96 inches.

Please note that the phosphate concentration at Short Creek sampling location exceeded 1.0 parts per million (ppm). However, the phosphate concentration immediately down gradient of the treatment plant is below 1.0 ppm. I have contacted Mr. Bruce Martin and Mrs. Cynthia Davis to discuss the results and develop a sampling plan to better understand and remedy the phosphate concentrations at Short Creek sampling location.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

June 6, 2007

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of May 1, 2007 through May 31, 2007 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 5.10 inches.

As you know we are working with you on a short and long term plans for treating the seepage from gypstack. We will continue the water treatment activities and decide on a corrective course of action after we hear from you about our proposal(s) outlined in our March 2, 2007 letter.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

June 7, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of May 1, 2013, through May 31, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit).
-
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.
- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust prepared and submitted a draft Access Agreement for use by the City of Joplin, Jasper County, and U.S. Environmental Protection Agency (EPA) in anticipation of use of the stack for storage of lead and zinc impacted soils in November 2012.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during May 2013 reporting period.

- The Trust and EPA were negotiating the terms of an Access Agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property. The Trust Residual Beneficiary wanted to meet with EPA and MDNR to clarify duration and termination of the Access Agreement. The Residual Beneficiary, EPA, MDNR, and the Trustee met on May 7, 2013, to resolve the Access Agreement issues. The parties agreed to enter into an Interim Access Agreement and negotiate the terms of a final Access Agreement during the next few months.
- On May 3, 2013, CBI issued March 2013 Monthly Leachate Sampling Report
- CBI, conducted monthly inspection, repairs and surface water sampling on May 23, 2013. Due to heavy rains part of the creek crossing access road was submerged.
- On March 27, 2013, the Trust received a draft Missouri State Operating Permit for review and comment. The draft permit is a no discharge permit with provisions for emergency sampling and compliance as well as preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP). On May 16, 2013, MDNR made the draft permit available for public review.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
F1 Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Alan Moreau, MDNR
Mark Finney, CBI

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Allen Moreau, Environmental Specialist
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

June 6, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of May 1, 2009, through May 31, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 4.43 inches.

The Phosphorus concentration at Short Creek sampling point was 1.1 milligram per liter slightly above the 1.0 milligram per liter. We had 8.25" of rain in April and more than 2" of rain in the first 3 days of May. Short Creek was in high water for 2 or 3 weeks.

On December 16, 2008, the Trust and MDNR discussed MDNR's comments on the permit application and Engineering report to relocate the waste water treatment plant. In a letter dated December 17, 2008, the Trust requested a 90-day extension to address the comments and also initiate a Feasibility Study to evaluate long-term remediation options. In May 2009, Shaw conducted the following activities:

- Submitted Metals Investigation report.
- Submitted the Focused FS report
- Received comments on deficiencies of the waste water construction permit.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office

12/27/2013

Page 2

Mark Finney, Shaw E&I
Doug Engel, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

June 7, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Tina;

Enclosed is the NPDES Monitoring Report for the period of May 1, 2006 through May 31, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 7.47 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

June 7, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of April 1, 2012, through April 30, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture and treatment system is being constructed.

The following are the highlights of pertinent activities during April 2012.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- Trust requested MDNR to provide direction with regard to continuing compliance monitoring during the Leachate Collection construction period.
- On April 25, 2012, per MDNR's instruction the Trust a completed Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- There were no samples collected or analyzed during this reporting period.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR



11206 Thompson Ave
Lenexa, KS 66219
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SELS Administrative Services, L.L.C.

June 10, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of May 1, 2011, through May 31, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 2.0 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.89. Rainfall for the period totaled 7.53 inches.

The result of Phosphate concentration at the Short Creek sampling station appears to have been impacted by two factors. In May 2011, the channel clean out activities was in progress. In late May 2011, significant storms and precipitation occurred. The sampling event coincided with extremely high water levels in the short creek shortly after the channel clean out activities were completed. These incidents contributed to the Phosphate concentrations at the Short Creek sampling station.

The following are the highlights of pertinent activities during April 2011.

- The Short Creek Channel clean out activities was completed on May 20, 2011.
- Mr. Vandyke inspected the channel clean out progress on May 11, 2011.
- On May 22, 2001, a category 4-5 storm and tornado devastated the Joplin area. Fortunately, there were no personnel or property damages at the project and PCS site. However, the storm created flooding in the area and in Short Creek.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

June 10, 2011
Page 2

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



11206 Thompson Ave
Lenexa, KS 66219
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Fax 913.451.2005

SELS Administrative Services, L.L.C.

June 13, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of May 1, 2012, through May 31, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities during May 2012.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction the Trust a completed Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- There were no samples collected or analyzed during this reporting period.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR



4400 College Boulevard, Suite 350
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SELS Administrative Services, L.L.C.

July 2, 2007

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of June 1, 2007 through June 30, 2007 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 17.12 inches. Also enclosed is a copy of the annual WET test for your review.

As you know we are working with you on a short and long term plans for treating the seepage from gypstack. We will continue the water treatment activities and decide on a corrective course of action after we hear from you about our proposal(s) outlined in our March 2, 2007 letter.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

July 2, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of June 1, 2008 through June 30, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 9.27 inches.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. Shaw is currently working on the design and permitting. The Trust submitted it's NPDES renewal application on September 27, 2007. To date we have not received a response from MDNR regarding the status of our NPDES renewal.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

July 6, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of June 1, 2005 through June 30, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.65 inches.

Please note that the phosphate concentration at Short Creek sampling location exceeded 1.0 parts per million (ppm). However, the phosphate concentration immediately down gradient of the treatment plant is below 1.0 ppm. I contacted Mr. Bruce Martin and Mrs. Cynthia Davis to discuss the results and developed a sampling plan to better understand and remedy the phosphate concentrations at Short Creek sampling location. We collected preliminary samples from the seeps and other areas in June. We will present the results and our evaluation as soon as the data becomes available.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

July 6, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of June 1, 2009, through June 30, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 4.72 inches.

On December 16, 2008, the Trust and MDNR discussed MDNR's comments on the permit application and Engineering report to relocate the waste water treatment plant. In a letter dated December 17, 2008, the Trust requested a 90-day extension to address the comments and also initiate a Feasibility Study to evaluate long-term remediation options. In June 2009, Shaw conducted the following activities:

- Responded to deficiencies of the waste water construction permit.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

July 6, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of June 1, 2010, through June 30, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 4.22 inches. The phosphate concentration at the Short Creek sampling station was 0.63 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.74 mg/l. The repairs to the 24" bypass line were completed in May. The anchor point that had been installed to hold the end of the pipe down failed, allowing the inlet of the pipe to rise, thus allowing water to run over the dam and not into the bypass line. PCS installed large concrete blocks on the sides of this line and secured the line to the concrete blocks, so the inlet of the bypass line now remains lower than the dam spillway.

The following are the highlights of pertinent activities during April 2010.

- On June 21, 2010 the Trust received a LETTER OF WARNING regarding the results of the April 2010 phosphorous concentration. In our June 2010 Discharge Monitoring Report (DMR), the Trust explained the reasons and corrective actions taken. A problem was identified with the inlet of the 24" bypass line and was corrected. Due to extreme rainfall events, the anchor point that had been installed to hold the end of the pipe down failed allowing the end of the pipe to rise. This allowed water to run over the dam and not into the bypass line, this allowed more water to go down the creek than water treatment was designed to handle. Large concrete blocks were installed on the sides of this line and the line was secured to these so the inlet of the bypass line will remain lower than the dam spillway. Since April, 2010, the phosphorous results have been in compliance.
- On June 16, 2010, Per Mr. Van Dyke's request, Shaw resubmitted three copies of the Leachate Management Option letter. The Trust understands that Mr. Van Dyke is trying to get an internal MDNR meeting to finalize a decision on the design and construction of the Leachate Management System. On May 26, 2010, the representatives of MDNR,

July 6, 2010

Page 2

PCS, the Trust, Shaw, and CERTUS met at Joplin to recap the progress made to date toward the resolution of proposed remediation and future activities at the site. Mr. Van Dyke indicated that he is planning an internal meeting to formulate a response to the proposed leachate collection system and the column tests for design of the Engineered Wet Land proposal. The Trust is currently waiting on MDNR for approval and directions on these proposals.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

July 8, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of June 1, 2013, through June 30, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit).
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.
- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust and EPA negotiated the terms of an Interim Access Agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property. The Trust Residual Beneficiary wanted to meet with EPA and MDNR to clarify duration and termination of the Access Agreement. The Residual Beneficiary, EPA, MDNR, and the Trustee met on May 7, 2013, to resolve the Interim Access Agreement issues. The parties agreed to enter into an Interim Access Agreement and negotiate the terms of a final Access Agreement during the next few months.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during June 2013 reporting period.

- The terms and conditions of the Interim Access Agreement were finalized on June 12, 2013.
- On June 13, 2013, CBI issued April 2013 Monthly Leachate Sampling Report
- CBI, conducted monthly inspection, repairs and surface water sampling on June 26, 2013.
- The City started depositing lead and zinc impacted soils on the property.
- On March 27, 2013, the Trust received a draft Missouri State Operating Permit for review and comment. The draft permit is a no discharge permit with provisions for emergency sampling and compliance as well as preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP). On May 16, 2013, MDNR made the draft permit available for public review.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
F1 Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC:

Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Alan Moreau, MDNR

Mark Finney, CBI

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Allen Moreau, Environmental Specialist
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

July 5, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of June 1, 2006 through June 30, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.48 inches. A wet test was ran during this time period

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

July 6, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of June 1, 2012, through June 30, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities during June 2012.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- There were no samples collected or analyzed during this reporting period. The Leachate Collection system is operating as designed.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

Mr. Don Vandyke
Hazardous Waste Program
Missouri Department of Natural Resources
PO BOX 176
Jefferson City, MO 65102-0176



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

July 8, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of June 1, 2011, through June 30, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 2.3 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was not detected. Rainfall for the period totaled 1.02 inches.

The result of Phosphate concentration at the Short Creek sampling station appears to have been impacted by recent channel clean out activities and other hydraulic anomalies near the spring. These issues should be resolved once the leachate collection system is in place.

The following are the highlights of pertinent activities during April 2011.

- Shaw E&I completed a site survey to finalize the design of the leachate collection system.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



4400 College Boulevard, Suite 350
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913.317.2623
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SELS Administrative Services, L.L.C.

August 1, 2007

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of July 1, 2007 through July 31, 2007 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 0.85 inches.

As you know we are working with you on a short and long term plans for treating the seepage from gypstack. We will continue the water treatment activities and decide on a corrective course of action after we hear from you about our proposal(s) outlined in our March 2, 2007 letter.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

August 2, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of July 1, 2010, through June 31, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 8.00 inches. The phosphate concentration at the Short Creek sampling station was 0.78 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.19 mg/l.

The following are the highlights of pertinent activities during April 2010.

- On June 16, 2010, Per Mr. Van Dyke's request, Shaw resubmitted three copies of the Leachate Management Option letter. The Trust understands that Mr. Van Dyke is trying to get an internal MDNR meeting to finalize a decision on the design and construction of the Leachate Management System. On May 26, 2010, the representatives of MDNR, PCS, the Trust, Shaw, and CERTUS met at Joplin to recap the progress made to date toward the resolution of proposed remediation and future activities at the site. Mr. Van Dyke indicated that he is planning an internal meeting to formulate a response to the proposed leachate collection system and the column tests for design of the Engineered Wet Land proposal. The Trust is currently waiting on MDNR for approval and directions on these proposals.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

August 4, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of July 1, 2008 through July 31, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 4.86 inches.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. Shaw is currently working on the design and permitting. The Trust submitted it's NPDES renewal application on September 27, 2007. To date we have not received a response from MDNR regarding the status of our NPDES renewal.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

August 5, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of July 1, 2009, through July 31, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.70 inches.

On December 16, 2008, the Trust and MDNR discussed MDNR's comments on the permit application and Engineering report to relocate the waste water treatment plant. In a letter dated December 17, 2008, the Trust requested a 90-day extension to address the comments and also initiate a Feasibility Study to evaluate long-term remediation options. In July MDNR directed the Trust to prepare for discussions surrounding the submitted documents in order to arrive at a comprehensive and long term solution for this project. The Trust and MDNR will meet on August 6, 2009 to review alternatives and develop an action plan.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

August 8, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of July 1, 2005 through July 31, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.12 inches.

In July we cleaned the lower dam intake piping and improved the capture rate from Short Creek reducing the creek flow over the lower dam. This maintenance appears to have remedied the excess phosphorous that were detected last month.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

August 19, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of July 1, 2013, through July 31, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit).
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.
- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust and EPA negotiated the terms of an Interim Access Agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property. The Trust Residual Beneficiary wanted to meet with EPA and MDNR to clarify duration and termination of the Access Agreement. The Residual Beneficiary, EPA, MDNR, and the Trustee met on May 7, 2013, to resolve the Interim Access Agreement issues. The parties agreed to enter into an Interim Access Agreement and negotiate the terms of a final Access Agreement during the next few months.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

The following activities were completed during June 2013 reporting period.

- On July 22, 2013, the Trust received the final Missouri State Operating Permit regulating the discharge from the gyp stack. The final Permit is a no discharge permit with provisions for emergency sampling and compliance as well as preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP).
- Solicited a bid for the construction of a second force main extending from MH11W Pump #2 to the discharge basin.
- Obtained quote for making repairs to system (removing sediment from MH11W vaults, fill and grading erosion channels on berm, grading creek crossing).
- On July 24, 2013, conducted the monthly site inspection and sampling.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Alan Moreau, MDNR
Mark Finney, CBI

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Allen Moreau, Environmental Specialist
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

August 1, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of July 1, 2011, through July 31, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.53 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was not detected. Rainfall for the period totaled 0.83 inches.

The following are the highlights of pertinent activities during April 2011.

- We received survey of soil borings and cross sections of south bank of Short Creek
- Started on leachate collection system design

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

August 1, 2011

Page 2

CC:

Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

August 7, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of July 1, 2006 through July 31, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.29 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

August 8, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of July 1, 2012, through July 31, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities during June 2012.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- There were no samples collected or analyzed during this reporting period. The Leachate Collection system is operating as designed.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

September 2, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of August 1, 2005 through August 31, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.89 inches.

In August we replaced the lower dam intake piping and improved the capture rate from Short Creek reducing the creek flow over the lower dam. This maintenance appears to have remedied the excess phosphorous that were detected last month.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

September 3, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of August 1, 2008 through August 31, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 4.01 inches.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. Shaw submitted the engineering report to MDNR on August 26, 2008. The Trust submitted it's NPDES renewal application on September 27, 2007. On August 7, 2008, MDNR and the Trust participated in a conference call to respond to MDNR questions with regard to the scope the permit and the plant relocation project. We are currently waiting on the approval of the Engineering Report and the permit application.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

September 8, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of August 1, 2009, through August 31, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 6.42 inches.

On December 16, 2008, the Trust and MDNR discussed MDNR's comments on the permit application and Engineering report to relocate the waste water treatment plant. In a letter dated December 17, 2008, the Trust requested a 90-day extension to address the comments and also initiate a Feasibility Study to evaluate long-term remediation options. In July MDNR directed the Trust to prepare for discussions surrounding the submitted documents in order to arrive at a comprehensive and long term solution for this project. The Trust and MDNR met on August 6, 2009 to review alternatives and develop an action plan. The Trust submitted a work plan on August 27, 2009 to define the data gaps and plan for collecting the necessary data to design the proposed containment system. The work plan for evaluation of discharge which consists of an engineered landfill will be submitted later.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

September 6, 2007

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of August 1, 2007 through August 31, 2007 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 5.31 inches.

As you know we are working with you on a short and long term plans for treating the seepage from gypstack. We will continue the water treatment activities and decide on a corrective course of action after we hear from you about our proposal(s) outlined in our March 2, 2007 letter. We received a letter from Mr. Dennis Stinson Dated August 29, 2007. We are working on responding to Mr. Stinson's letter and arrange for implementation of future plans.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

September 9, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of August 1, 2010, through August 31, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 0.84 inches. The phosphate concentration at the Short Creek sampling station was 0.60 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.20 mg/l.

The following are the highlights of pertinent activities during August 2010.

- On August 9, 2010, the representatives of Trust, Shaw, MDNR, and US Army Corp of Engineers met at the site to review and discuss the proposed improvement plans for Short Creek. The purpose of the meeting was to ensure the improvement plans will meet the requirements of the US Army Corp of Engineers. The representative of the US Army Corp of Engineers identified the need to submit the necessary Nation Wide Permit Application before initiating construction. Shaw submitted the Nation Wide Permit Application on August 27, 2010.
- On August 12, 2010, the Trust submitted a letter, following conversations with Mr. Vandyke, requesting withdrawal of its **NPDES Permit Application**. Later on August 19, 2010, the Trust sent an e-mail clarifying its request confirming the August 12, 2010 letter incorrectly requests for the withdrawal of the “NPDES Permit Application”. The intent of the August 12, 2010 letter was to withdraw the **“Construction Permit Application”**.

September 9, 2010

Page 2

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

September 10, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of August 1, 2013, through August 31, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit).
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.
- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust and EPA negotiated the terms of an Interim Access Agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property. The Trust Residual Beneficiary wanted to meet with EPA and MDNR to clarify duration and termination of the Access Agreement. The Residual Beneficiary, EPA, MDNR, and the Trustee met on May 7, 2013, to resolve the Interim Access Agreement issues. The parties agreed to enter into an Interim Access Agreement and negotiate the terms of a final Access Agreement during the next few months.
- On July 22, 2013, the Trust received the final Missouri State Operating Permit regulating the discharge from the gyp stack. The final Permit is a no discharge permit with provisions for emergency sampling and compliance as well as preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP).

The following activities were completed during August 2013 reporting period.

- Awarded a bid for the construction of a second force main extending from MH1W Pump #2 to the discharge basin.
- Obtained quote and awarded work for making repairs to system (removing sediment from MH1W vaults, fill and grading erosion channels on berm, grading creek crossing).
- August 26, 2013, submitted the monthly inspection reports for May, June, and July to MDNR
- On August 27, 2013, conducted the monthly site inspection and sampling.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Alan Moreau, MDNR
Mark Finney, CBI

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Allen Moreau, Environmental Specialist
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

September 5, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of August 1, 2006 through August 31, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.46 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

September 6, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of August 1, 2012, through August 31, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities during August 2012.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- There were no samples collected or analyzed during this reporting period. The Leachate Collection system is operating as designed.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Leasue Meyers, Environmental Engineer
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dangt



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

September 8, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of August 1, 2011, through August 31, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.48 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was not detected. Rainfall for the period totaled 2.37 inches.

The following are the highlights of pertinent activities during April 2011.

- A draft leachate collection system design was submitted to MDNR for review and approval.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

September 8, 2011
Page 2

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

October 3, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of September 1, 2008 through September 30, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 7.92 inches.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. Shaw submitted the engineering report to MDNR on August 26, 2008. The Trust submitted it's NPDES renewal application on September 27, 2007. On August 7, 2008, MDNR and the Trust participated in a conference call to respond to MDNR questions with regard to the scope the permit and the plant relocation project. We are currently waiting on the approval of the Engineering Report and the permit application.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.451.1224
Fax 913.451.2005

SELS Administrative Services, L.L.C.

October 4, 2004

Division of Environmental Quality
Southwest Regional Office
Missouri department of natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period September 1, 2004 through September 30, 2004 for the Former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 0.74 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

October 4, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of September 1, 2006 through September 30, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.16 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

October 4, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of September 1, 2011, through September 30, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.28 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was not detected. Rainfall for the period totaled 3.93 inches.

The following are the highlights of pertinent activities during April 2011.

- A draft leachate collection system design was submitted to MDNR in August 2011 for review and approval.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

October 4, 2011

Page 2

CC:

Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

October 5, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of September 1, 2005 through September 1, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.89 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

October 6, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of September 1, 2009, through September 30, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 6.31 inches. The Phosphate concentration at the Short Creek sampling station exceeded the 1.0 parts per million. We believe the damaged by-pass intake during the sewer storms and excessive infiltration from the stack (approximately 13 inches of rain fall during the past two months) have exasperated the compliance condition. PCS is in the process of repairing the by pass intake.

The Trust submitted a feasibility study to address the long term containment and treatment of leachate from the gyp stack. The Trust and MDNR met on August 6, 2009 to review alternatives and develop an action plan. The Trust submitted a work plan on August 27, 2009 to define the data gaps and plan for collecting the necessary data to design the proposed containment system. On September 11, 2009 state provided comments and authorization to proceed. On September 15, 2009 a revised work plan was submitted and followed by data collection on September 24, 2009. A total of 12 soil borings were installed, four borings along the southern extent of the two drain and eight along the centerline of the proposed slurry wall. The borings were logged and depth to bedrock was identified to assist with the final design. The work plan for evaluation of discharge which consists of an engineered landfill will be submitted later.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

12/27/2013

Page 2

CC:

Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

October 7, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of September 1, 2010, through September 30, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 6.83 inches. The phosphate concentration at the Short Creek sampling station was 0.87 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.11 mg/l.

The following are the highlights of pertinent activities during August 2010.

- On September 10, 2010, we notified Mr. Van Dyke that, the US Army Corp of Engineers (USACE) has received the Nation Wide Permit Application submitted to them on August 27, 2010.
- On September 20, 2010, The Trust received the Nation Wide permit from USACE and we forwarded a copy to MDNR.
- On September 23, received MDNR interval review "Review of Leachate Management System Design Evaluation.
- We are currently waiting to receive a Waiver from MDNR. The Waiver is needed to comply with the requirements and conditions of the USACE permit.
- We are also waiting on clarification of scope of our next design submittal to MDNR.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

October 9, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of September 1, 2013, through September 30, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists. The new capture system was constructed without a discharge to Short Creek. On July 22, 2013, the Trust received the final Missouri State Operating Permit regulating the discharge from the gyp stack. The final Permit is a no discharge permit

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit).
- In October 2012 the Trust completed the following:
 1. Removed the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Removed the existing crossing and replace it with a rock low water crossing,
 4. Cleared and graded the channel,
 5. Removed the former waste water treatment plant inlet structure, and
 6. Installed a French Drain system along the west toe of the gypsum stack.
- The Trust also made improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- The Trust submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust and EPA negotiated the terms of an Interim Access Agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property. The Trust Residual Beneficiary wanted to meet with EPA and MDNR to clarify duration and termination of the Access Agreement. The Residual Beneficiary, EPA, MDNR, and the Trustee met on May 7, 2013, to resolve the Interim Access Agreement issues. The parties agreed to enter into an Interim Access Agreement and negotiate the terms of a final Access Agreement during the next few months.
- On July 22, 2013, the Trust received the final Missouri State Operating Permit regulating the discharge from the gyp stack. The final Permit is a no discharge permit with provisions for emergency sampling and compliance as well as preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP).

The following activities were completed during September 2013 reporting period.

- On September 30, 2013, CB&I mobilized to the site to commence work on construction of a second force main extending from MH11W Pump #2 to the discharge basin.
- CB&I also began work on making repairs to system (removing sediment from MH11W vaults, fill and grading erosion channels on berm, grading creek crossing).
- On September 23, 2013, submitted the monthly inspection reports for August 2013 to MDNR
- On September 24, 2013, conducted the monthly site inspection and sampling.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
Fl Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Alan Moreau, MDNR
Mark Finney, CBI

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Allen Moreau, Environmental Specialist
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

October 9, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of September 1, 2012, through September 30, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities during September 2012.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- There were no samples collected or analyzed during this reporting period. The Leachate Collection system is operating as designed.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

October 9, 2012

Page 2

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Leasue Meyers, Environmental Engineer
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dangt



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

November 3, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of October 1, 2008 through October 31, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.90 inches.

In response to our November 30, 2007 letter, we received a letter from Mr. Van Dyke dated January 28, 2008 authorizing us to proceed with the plant relocation project. Shaw submitted the engineering report to MDNR on August 26, 2008. The Trust submitted it's NPDES renewal application on September 27, 2007. On August 7, 2008, MDNR and the Trust participated in a conference call to respond to MDNR questions with regard to the scope the permit and the plant relocation project. We are currently waiting on the approval of the Engineering Report and the permit application.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.451.1224
Fax 913.451.2005

SELS Administrative Services, L.L.C.

November 4, 2004

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period October 1, 2004 through October 31, 2004 for the Former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 5.24 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

November 5, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of October 1, 2005 through October 31, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 2.17 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

November 5, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of October 1, 2010, through October 31, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.21 inches. The phosphate concentration at the Short Creek sampling station was 0.71 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.21mg/l.

The following are the highlights of pertinent activities during August 2010.

- On October 22, 2010, MDNR issued the 401 Water Quality Certification. This certification along with US Army Corps of Engineers Nationwide Permit, obtained in September 2010, will resolve all permitting requirements to construct the proposed leachate collection system.
- On October 29, 2010, we received MDNR's authorization to proceed with a modified design of Option 4 from the "*Leachate Management System Design Evaluation*" report dated April 4, 2010.
- The T trust received a letter from MDNR, date October 25, 2010, confirming the withdrawal of the Construction Permit for relocation of the existing waste water treatment plant. The withdrawal of the construction permit was mutually agreed upon between the T trust and MDNR since the future permitting requirements for the project will be administered through US Army Corps Nationwide Permit and 401 Water Quality Certification.

October 7, 2010
Page 2

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

November 7, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627/**No Discharge Permit**

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of October 1, 2013, through October 31, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists. The new capture system was constructed without a discharge to Short Creek. On July 22, 2013, the Trust received the final Missouri State Operating Permit regulating the discharge from the gyp stack. The final Permit is a no discharge permit

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit).
- In October 2012 the Trust completed the following:
 1. Removed the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Removed the existing crossing and replace it with a rock low water crossing,
 4. Cleared and graded the channel,
 5. Removed the former waste water treatment plant inlet structure, and
 6. Installed a French Drain system along the west toe of the gypsum stack.
- The Trust also made improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- The Trust submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust and EPA negotiated the terms of an Interim Access Agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property. The Trust Residual Beneficiary wanted to meet with EPA and MDNR to clarify duration and termination of the Access Agreement. The Residual Beneficiary, EPA, MDNR, and the Trustee met on May 7, 2013, to resolve the Interim Access Agreement issues. The parties agreed to enter into an Interim Access Agreement and negotiate the terms of a final Access Agreement during the next few months.
- On July 22, 2013, the Trust received the final Missouri State Operating Permit regulating the discharge from the gyp stack. The final Permit is a no discharge permit with provisions for emergency sampling and compliance as well as preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP).

The following activities were completed during October 2013 reporting period.

- CB&I completed work on construction of a second force main extending from MH1W Pump #2 to the discharge basin.
- CB&I completed work on making repairs to system (removing sediment from MH1W vaults, fill and grading erosion channels on berm, grading creek crossing).
- On October 16, 2013, conducted the monthly site inspection and sampling.
- CB&I prepared a draft Storm Water Pollution Prevention Plan (SWPPP).
- Solicited bids for conducting property boundary survey along south property line.
- Solicited bids for constructing a security fence along south property line.
- Solicited information from drillers to abandon monitoring wells.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Alan Moreau, MDNR
Mark Finney, CBI

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Allen Moreau, Environmental Specialist
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

November 7, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of October 1, 2011, through October 31, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.64 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.1 mg/l. Rainfall for the period totaled 0.67 inches.

The following are the highlights of pertinent activities during October 2011.

- MDNR is reviewing the design documents for the leachate collection system.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

November 7, 2011

Page 2

CC: Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

November 7, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of October 1, 2012, through October 31, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists, the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities during October 2012.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.
- There were no samples collected or analyzed during this reporting period. The Leachate Collection system is operating as designed.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

November 7, 2012

Page 2

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

November 7, 2012

Page 3

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Leasue Meyers, Environmental Engineer
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dangt



11206 Thompson Ave
Lenexa, KS 66219
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Fax 913.451.2005

SELS Administrative Services, L.L.C.

November 9, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of October 1, 2009, through October 31, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 8.88 inches. The Phosphate concentration at the Short Creek sampling station slightly exceeded the 1.0 parts per million. We believe the containment system effectiveness is compromised by the significant rain fall events. Noticeable seepage from the gypstack flows over the dam structure without being captured. Higher than normal creek levels caused by almost 9 inch of rain fall this month and 13 inches of rain fall in September have made the containment system ineffective. PCS is also in the process of repairing the damaged by-pass intake.

The Trust submitted a feasibility study to address the long term containment and treatment of leachate from the gyp stack. The Trust and MDNR met on August 6, 2009 to review alternatives and develop an action plan. The Trust submitted a work plan on August 27, 2009 to define the data gaps and plan for collecting the necessary data to design the proposed containment system. On September 11, 2009 state provided comments and authorization to proceed. On September 15, 2009 a revised work plan was submitted and followed by data collection on September 24, 2009. A total of 12 soil borings were installed, four borings along the southern extent of the two drains, and eight along the centerline of the proposed slurry wall. The borings were logged and depth to bedrock was identified to assist with the final design. The borings were also surveyed in October to facilitate the design. The work plan for evaluation of discharge which consists of an engineered landfill will be submitted later.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.

12/27/2013

Page 2

Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program

Megan Hart, MDNR, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

November 14, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of October 1, 2006 through October 31, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.62 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

December 4, 2006

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of November 1, 2006 through November 30, 2006 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 3.64 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Cynthia Davies



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

December 5, 2008

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Tina White

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. White:

Enclosed is the NPDES Monitoring Report for the period of November 1, 2008 through November 30, 2008 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.39 inches.

The Phosphorus concentration at Short Creek sampling point was 1.7 milligram per liter. Based on our discussions with PCS, it appears that the intake by pass pipe is blocked by a beaver dam and very little flow is by passing the system resulting in water going over the low water dam. A professional trapper has been contacted to trap the beavers and remove the dam.

On November 21, 2008, the Trust received MDNR's comments on its original application for construction/relocation of the waste water treatment plant. The Trust is working on preparing a response to the comments.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Megan Hart, MDNR, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

December 6, 2010

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of November 1, 2010, through November 30, 2010, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.50 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.30mg/l. Rainfall for the period totaled 4.43 inches.

The following are the highlights of pertinent activities during November 2010.

- On November 4, 2010, the Trust received confirmation of its payment for the "401 Water Quality Certification".
- On November 16, 2010, MDNR (Don Van Dyke, Kevin Hess, Gregory Perkins, and Leasue Meyers), Trust, and Shaw E&I representatives met at the site to inspect the proposed project site and activities.
- In a letter dated November 23, 2010, MDNR provided the certification, and waivers to certain conditions pursuant to the Trust's request for Clean Water Act Section 401 Water Quality Certification to accompany the Army Corp of Engineers Nation Wide Permit 38 for cleanup of waste. The certification and waivers will allow the Trust to proceed with the design and construction of channel improvements and the leachate collection system.

December 6, 2010

Page 2

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Doug Engel, PCS
Michael Brom, PCS



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.451.1224
Fax 913.451.2005

SELS Administrative Services, L.L.C.

December 7, 2004

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period November 1, 2004 through November 30, 2004 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 6.56 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

December 8, 2009

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of November 1, 2009, through November 31, 2009, for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 0.61 inches. The Phosphate concentration at the Short Creek sampling station slightly exceeded the 1.0 parts per million. Noticeable seepage from the gypstack flows over the dam structure without being captured.

- The Trust submitted a feasibility study to address the long term containment and treatment of leachate from the gyp stack. The Trust and MDNR met on August 6, 2009 to review alternatives and develop an action plan. The Trust submitted a work plan on August 27, 2009 to define the data gaps and plan for collecting the necessary data to design the proposed containment system. On September 11, 2009 state provided comments and authorization to proceed. On September 15, 2009 a revised work plan was submitted and followed by data collection on September 24, 2009. A total of 12 soil borings were installed, four borings along the southern extent of the two drains, and eight along the centerline of the proposed slurry wall. The borings were logged and depth to bedrock was identified to assist with the final design. Shaw reviewed soil boring and survey data with MDNR and worked on administrative procedures to retain Naturally Wallace, LLC (wetland company) to assist in design and evaluation process. Shaw is currently working on the hydraulic containment system design report.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Donald Van Dyke, MDNR, Hazardous Waste Program

Megan Hart, MDNR, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

December 8, 2011

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of November 1, 2011, through November 30, 2011, for the former Farmland Industries Gypstack Property at Joplin, Missouri. The phosphate concentration at the Short Creek sampling station was 0.24 milligram per liter (mg/l). The phosphate concentration at Outfall #003, (the Wastewater Treatment Plant discharge) was 0.10 mg/l. Rainfall for the period totaled 5.62 inches.

The following are the highlights of pertinent activities during November 2011.

- On November 3, 2011, the Trust, Shaw, and MDNR representatives met in Jefferson City to review the proposed design for the leachate collection system. MDNR approved the design and authorized the Trust to proceed with preparing specification and bid package and obtain bids for construction.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

December 8, 2011

Page 2

CC: Donald Van Dyke, MDNR, Hazardous Waste Program

Kevin Hess, MDNR, Water Pollution Section Chief

Sieu Dang, Southwest Regional Office

Mark Finney, Shaw E&I

Doug Engel, PCS

Michael Brom, PCS



11206 Thompson Ave
Lenexa, KS 66219
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

December 10, 2012

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of November 1, 2012, through November 30, 2012, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists; the new capture system was constructed without a discharge to Short Creek.

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit). The Trust is waiting for response on status of Form A and Form C.
- In September 2012 the Trust awarded a contract to RSI
 1. to remove the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Remove the existing crossing and replace it with a rock low water crossing,
 4. Clear and grade the channel,
 5. Remove the former waste water treatment plant inlet structure, and
 6. Install a French Drain system along the west toe of the gypsum stack.
- The above activities were completed in October 2012.

The following activities were completed during November 2012 reporting period.

- The Trust retained RSI to make improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.
-

December 10, 2012

Page 2

- Shaw completed the service and maintenance of the Leachate Collection System on November 15, 2012.
- Shaw submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust prepared and submitted a draft Access Agreement for use by the City of Joplin, Jasper County, and U.S. Environmental Protection Agency (EPA) in anticipation of use of the stack for storage of lead and zinc impacted soils in November 2012.
- There were no samples collected or analyzed during this reporting period. The Leachate Collection system is operating as designed.
- The Trust recommends terminating the DMR reports since there is no outfall to sample. Until MDNR approves the Trust's request, we will submit this report without any data.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Mark Finney, Shaw E&I
Leasue Meyers, MDNR

December 10, 2012

Page 3

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Leasue Meyers, Environmental Engineer
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dangt



4400 College Boulevard, Suite 350
Overland Park, KS 66211-2326
913.317.2623
Fax 913.451.2005

SELS Administrative Services, L.L.C.

December 14, 2005

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 west Woodland
Springfield, MO 65807-5912

Re: Discharge Monitoring Report
Permit Number MO-0053627

Dear Sires;

Enclosed is the NPDES Monitoring Report for the period of November 1, 2005 through November 30, 2005 for the former Farmland Industries Gypstack Property at Joplin, Missouri. Rainfall for the period totaled 1.06 inches.

If you have questions concerning the attached monitoring data or require additional information, please contact me at 913-317-2623.

Sincerely,

FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee
Kamyar Manesh, P.E.
Trust Administrator

CC: Bruce Martin
Cynthia Davis



11206 Thompson Avenue
Lenexa, KS 66219
913-317-2623
Fax: 913-317-2660

December 13, 2013

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Lana Cypret

Re: Discharge Monitoring Report
Permit Number MO-0053627/**No Discharge Permit**

Dear Mrs. Cypret:

Enclosed is the NPDES Monitoring Report for the period of November 1, 2013, through October 30, 2013, for the former Farmland Industries Gypstack Property at Joplin, Missouri. There are no sampling and results available for this reporting period. Outfall 003 no longer exists. The new capture system was constructed without a discharge to Short Creek. On July 22, 2013, the Trust received the final Missouri State Operating Permit regulating the discharge from the gyp stack. The final Permit is a no discharge permit

The following are the highlights of pertinent activities prior to this reporting period.

- The construction of Leachate Collection System was completed in April 2012.
- The operation of Waste Water Treatment system was terminated on March 1, 2012. Outfall 003 no longer exists.
- On April 25, 2012, per MDNR's instruction, the Trust completed and submitted Form A (Application for Construction or Operating Permit Under Missouri Clean Water Law) and form C (Application for Discharge Permit).
- In October 2012 the Trust completed the following:
 1. Removed the east pond dam restoring the natural flow of the Short Creek,
 2. Abandon the Short Creek by-pass,
 3. Removed the existing crossing and replace it with a rock low water crossing,
 4. Cleared and graded the channel,
 5. Removed the former waste water treatment plant inlet structure, and
 6. Installed a French Drain system along the west toe of the gypsum stack.
- The Trust also made improvements to the access road from Melang Road and cleared the access road to improve visibility in November 2012.

- The Trust submitted a sampling plan for the Leachate Collection System on November 7, 2012.
- The Trust and EPA negotiated the terms of an Interim Access Agreement to allow the EPA, City of Joplin, and Jasper County to dispose lead and zinc impacted soils at the property. The Trust Residual Beneficiary wanted to meet with EPA and MDNR to clarify duration and termination of the Access Agreement. The Residual Beneficiary, EPA, MDNR, and the Trustee met on May 7, 2013, to resolve the Interim Access Agreement issues. The parties agreed to enter into an Interim Access Agreement and negotiate the terms of a final Access Agreement during the next few months.
- On July 22, 2013, the Trust received the final Missouri State Operating Permit regulating the discharge from the gyp stack. The final Permit is a no discharge permit with provisions for emergency sampling and compliance as well as preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP).

The following activities were completed during October 2013 reporting period.

- On November 19, 2013, conducted the November 2013 Site Inspection and Sampling.
- On November 18, 2013, submitted the October 2013 Inspection Report.
- Finalized the PO for KVE to conduct the survey of the south property line.

If you have questions concerning this report or require additional information, please contact me at 913-317-2623.

Sincerely,

Kamyar Manesh, P.E.
Trust Administrator
FI Missouri Remediation Trust
SELS Administrative Services, LLC, as Trustee

CC: Donald Van Dyke, MDNR, Hazardous Waste Program
Kevin Hess, MDNR, Water Pollution Section Chief
Sieu Dang, Southwest Regional Office
Alan Moreau, MDNR
Mark Finney, CBI

Donald Van Dyke, Hazardous Waste Program
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Kevin Hess, Water Pollution Section Chief
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Allen Moreau, Environmental Specialist
Water Protection Program, Engineering Section
Missouri Department of Natural Resources
PO Box 176
Jefferson City, MO 65102-0176

Division of Environmental Quality
Southwest Regional Office
Missouri Department of Natural Resources
2040 West Woodland
Springfield, MO 65807-5912
Attention: Sieu Dang

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
FARMLAND INDUSTRIES JOPLIN PLANT		MO-0053627	JASPER	FARMLAND INDUSTRIES INC., K.C., MO	FERTILIZER MFG.	
REQUIRED FREQUENCY OF MONITORING		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD	
SHORT CREEK AT MO/KS STATE LINE					April 1 through April 30, 2004	
DATE SAMPLED	4/6/2004					
TIME OF DAY SAMPLED	7:20					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	4/7/2004					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	10.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.53	a	EPA 150.1	
TEMPERATURE	°F	NONE	58	a	EPA 170.1	
FLUORIDE	mg/l	8.00	0.87	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	1.16	a	EPA 365.4	retest on 4/26/04 1.31
NO ₃ - N	mg/l	NONE	1.39	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	3.17	a	EPA 350.1	
SULFATES	mg/l	NONE	109	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME FARMLAND INDUSTRIES JOPLIN PLANT		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FARMLAND INDUSTRIES INC., K.C., MO	TYPE OF FACILITY FERTILIZER MFG.	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD April 1 Through April 30, 2004	
DATE SAMPLED	4/6/2004					
TIME OF DAY SAMPLED	6:35					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	4/7/2004					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	10.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	6.50	a	EPA 150.1	
TEMPERATURE	°F	NONE	58	a	EPA 170.1	
FLUORIDE	mg/l	8.00	2.7	a	EPA 300.0	
PHOSPHORUS	mg/l	1	0.455	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	3.8	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	27.4	a	EPA 350.1	
SULFATES	mg/l	NONE	721	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING				THIS REPORT COVERS PERIOD		
				THROUGH		
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD April 1 Through April 30, 2005	
DATE SAMPLED	4/5/2005					
TIME OF DAY SAMPLED	6:55					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	4/6/2005					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	29.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.61	a	EPA 150.1	
TEMPERATURE	°F	NONE	48	a	EPA 170.1	
FLUORIDE	mg/l	8.00	4.0	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.439	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	2.8	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	21.9	a	EPA 350.1	
SULFATES	mg/l	NONE	682	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD April 1 Through April 30, 2005	
DATE SAMPLED	4/5/2005					
TIME OF DAY SAMPLED	7:10					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	4/6/2005					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	n/d	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.95	a	EPA 150.1	
TEMPERATURE	°F	NONE	50	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.2	a	EPA 300.0	
PHOSPHORUS	mg/l	1	1	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	1.0	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	3.2	a	EPA 350.1	
SULFATES	mg/l	NONE	188	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD April 1 Through April 30, 2006
DATE SAMPLED	4/3/2006				
TIME OF DAY SAMPLED	19:15				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	4/5/2006				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	N/D	a	EPA 160.2	
pH	Units	7.80	a	EPA 150.1	
TEMPERATURE	°F	60	a	EPA 170.1	
FLUORIDE	mg/l	0.6	a	EPA 300.0	
PHOSPHORUS	mg/l	N/D	a	EPA 365.4	
NO ₃ - N	mg/l	N/D	a	EPA 300.0	
NH ₃ - N	mg/l	4.3	a	EPA 350.1	
SULFATES	mg/l	208	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
Pace Analytical					
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD April 1 Through April 30, 2006	
DATE SAMPLED	4/3/2006					
TIME OF DAY SAMPLED	19:30					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	4/5/2006					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	9.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.20	a	EPA 150.1	
TEMPERATURE	°F	NONE	64	a	EPA 170.1	
FLUORIDE	mg/l	8.00	3.4	a	EPA 300.0	
PHOSPHORUS	mg/l	1	0.9	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	1.9	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	36.7	a	EPA 350.1	
SULFATES	mg/l	NONE	1090	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD April 1 Through April 30, 2007	
DATE SAMPLED	4/13/2007					
TIME OF DAY SAMPLED	6:15					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	4/14/2007					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	11.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.10	a	EPA 150.1	
TEMPERATURE	°F	NONE	56	a	EPA 170.1	
FLUORIDE	mg/l	8.00	3.8	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	1.10	a	EPA 365.4	sampled on 4/26/07
NO ₃ - N	mg/l	NONE	2.1	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	4.7	a	EPA 350.1	
SULFATES	mg/l	NONE	218	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD April 1 Through April 30, 2007	
DATE SAMPLED	4/14/2007					
TIME OF DAY SAMPLED	6:20					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	4/14/2007					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	6.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.60	a	EPA 150.1	
TEMPERATURE	°F	NONE	57	a	EPA 170.1	
FLUORIDE	mg/l	8.00	5.6	a	EPA 300.0	
PHOSPHORUS	mg/l	1	N/D	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	2.4	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	2.7	a	EPA 350.1	
SULFATES	mg/l	NONE	571	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB		THIS REPORT COVERS PERIOD August 1 Through August 31, 2004	
DATE SAMPLED	8/3/2004				
TIME OF DAY SAMPLED	7:30				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	8/4/2004				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	n/d	a	EPA 160.2	
pH	Units	7.13	a	EPA 150.1	
TEMPERATURE	°F	78	a	EPA 170.1	
FLUORIDE	mg/l	1.6	a	EPA 300.0	
PHOSPHORUS	mg/l	0.476	a	EPA 365.4	was 1.02 / retested on 7/28/04
NO ₃ - N	mg/l	2.1	a	EPA 300.0	
NH ₃ - N	mg/l	8.0	a	EPA 350.1	
SULFATES	mg/l	304	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
Pace Analytical					
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD August 1 Through August 31, 2004
DATE SAMPLED	8/3/2004				
TIME OF DAY SAMPLED	7:10				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	8/4/2004				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	NONE	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	a	EPA 160.2	
pH	Units	6.0 - 9.0	a	EPA 150.1	
TEMPERATURE	°F	NONE	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	a	EPA 350.1	
SULFATES	mg/l	NONE	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD August 1 Through August 31, 2005	
DATE SAMPLED	8/2/2005					
TIME OF DAY SAMPLED	6:00					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	8/3/2005					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	5.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.34	a	EPA 150.1	
TEMPERATURE	°F	NONE	72	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.6	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.595	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	2.5	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	9.7	a	EPA 350.1	
SULFATES	mg/l	NONE	396	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD August 1 Through August 31, 2005	
DATE SAMPLED	8/2/2005					
TIME OF DAY SAMPLED	6:15					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	8/3/2005					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	9.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	8.81	a	EPA 150.1	
TEMPERATURE	°F	NONE	72	a	EPA 170.1	
FLUORIDE	mg/l	8.00	5.0	a	EPA 300.0	
PHOSPHORUS	mg/l	1	0.304	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	4.1	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	31.2	a	EPA 350.1	
SULFATES	mg/l	NONE	1020	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD August 1 Through August 31, 2006
DATE SAMPLED	8/7/2006				
TIME OF DAY SAMPLED	17:30				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	8/10/2006				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	7.0	a	EPA 160.2	
pH	Units	7.80	a	EPA 150.1	
TEMPERATURE	°F	80	a	EPA 170.1	
FLUORIDE	mg/l	4.0	a	EPA 300.0	
PHOSPHORUS	mg/l	0.67	a	EPA 365.4	
NO ₃ - N	mg/l	2.2	a	EPA 300.0	
NH ₃ - N	mg/l	9.8	a	EPA 350.1	
SULFATES	mg/l	501	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
Pace Analytical					
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD August 1 Through August 31, 2006	
DATE SAMPLED	8/7/2006					
TIME OF DAY SAMPLED	17:50					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	8/10/2006					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	14.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	8.40	a	EPA 150.1	
TEMPERATURE	°F	NONE	76	a	EPA 170.1	
FLUORIDE	mg/l	8.00	6.5	a	EPA 300.0	
PHOSPHORUS	mg/l	1	N/D	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	N/D	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	27.4	a	EPA 350.1	
SULFATES	mg/l	NONE	996	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB		THIS REPORT COVERS PERIOD August 1 Through August 31, 2007		
DATE SAMPLED	8/7/2007					
TIME OF DAY SAMPLED	6:30					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	8/8/2007					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	8.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.10	a	EPA 150.1	
TEMPERATURE	°F	NONE	76	a	EPA 170.1	
FLUORIDE	mg/l	8.00	2.4	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.70	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	2.6	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	5.8	a	EPA 350.1	
SULFATES	mg/l	NONE	331	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD August 1 Through August 31, 2007
DATE SAMPLED	8/7/2007				
TIME OF DAY SAMPLED	6:20				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	8/8/2007				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l 50	N/D	a	EPA 160.2	
pH	Units 6.0 - 9.0	7.20	a	EPA 150.1	
TEMPERATURE	°F NONE	76	a	EPA 170.1	
FLUORIDE	mg/l 8.00	7.1	a	EPA 300.0	
PHOSPHORUS	mg/l 1	N/D	a	EPA 365.4	
NO ₃ - N	mg/l NONE	4.1	a	EPA 300.0	
NH ₃ - N	mg/l NONE	23.6	a	EPA 350.1	
SULFATES	mg/l NONE	943	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER Pace Analytical					
					DATE

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD December 1 Through December 31, 2004
DATE SAMPLED	12/7/2004				
TIME OF DAY SAMPLED	6:50				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	12/8/2004				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	NONE	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	N/D	a	EPA 160.2	
pH	Units	6.0 - 9.0	a	EPA 150.1	
TEMPERATURE	°F	NONE	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	a	EPA 350.1	
SULFATES	mg/l	NONE	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
Pace Analytical					
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD December 1 Through December 31, 2004
DATE SAMPLED	12/7/2004				
TIME OF DAY SAMPLED	6:00				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	12/8/2004				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	NONE	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	a	EPA 160.2	
pH	Units	6.0 - 9.0	a	EPA 150.1	
TEMPERATURE	°F	NONE	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	a	EPA 350.1	
SULFATES	mg/l	NONE	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD December 1 Through December 31, 2005
DATE SAMPLED	12/6/2005				
TIME OF DAY SAMPLED	0:00				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	12/8/2005				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	0.6	a	EPA 160.2	
pH	Units	7.40	a	EPA 150.1	
TEMPERATURE	°F	51	a	EPA 170.1	
FLUORIDE	mg/l	2.5	a	EPA 300.0	
PHOSPHORUS	mg/l	0.55	a	EPA 365.4	
NO ₃ - N	mg/l	2.8	a	EPA 300.0	
NH ₃ - N	mg/l	10.9	a	EPA 350.1	
SULFATES	mg/l	504	a	EPA 300.0	
ANALYSES PERFORMED BY Pace Analytical		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD December 1 Through December 31, 2005
DATE SAMPLED	12/6/2005				
TIME OF DAY SAMPLED	6:20				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	12/8/2005				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l 50	6.0	a	EPA 160.2	
pH	Units 6.0 - 9.0	8.00	a	EPA 150.1	
TEMPERATURE	°F NONE	55	a	EPA 170.1	
FLUORIDE	mg/l 8.00	6.9	a	EPA 300.0	
PHOSPHORUS	mg/l 1	N/D	a	EPA 365.4	
NO ₃ - N	mg/l NONE	3.4	a	EPA 300.0	
NH ₃ - N	mg/l NONE	26.7	a	EPA 350.1	
SULFATES	mg/l NONE	1100	a	EPA 300.0	
ANALYSES PERFORMED BY Pace Analytical		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD Dec. 1 Through Dec. 31, 2006	
DATE SAMPLED	12/4/2006					
TIME OF DAY SAMPLED	17:15					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	12/7/2006					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	6.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.30	a	EPA 150.1	
TEMPERATURE	°F	NONE	42	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.7	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	1.2 -12/27	a	EPA 365.4	2.4 on 12/4/2006
NO ₃ - N	mg/l	NONE	2.6	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	32.1	a	EPA 350.1	
SULFATES	mg/l	NONE	1130	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD Dec. 1 Through Dec. 31, 2006	
DATE SAMPLED	12/4/2006					
TIME OF DAY SAMPLED	17:45					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	12/7/2006					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	59.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	8.60	a	EPA 150.1	
TEMPERATURE	°F	NONE	50	a	EPA 170.1	
FLUORIDE	mg/l	8.00	3.6	a	EPA 300.0	
PHOSPHORUS	mg/l	1	0.64 - 12/27	a	EPA 365.4	2.3 on 12/4/06
NO ₃ - N	mg/l	NONE	2.4	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	4.0	a	EPA 350.1	
SULFATES	mg/l	NONE	194	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING				THIS REPORT COVERS PERIOD		
				THROUGH		
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD February 1 Through February 28, 2005	
DATE SAMPLED	2/1/2005					
TIME OF DAY SAMPLED	8:05					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	2/2/2005					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	17.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.55	a	EPA 150.1	
TEMPERATURE	°F	NONE	45	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.1	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.639	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	1.0	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	1.7	a	EPA 350.1	
SULFATES	mg/l	NONE	134	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD February 1 Through February 28, 2005
DATE SAMPLED	2/1/2005				
TIME OF DAY SAMPLED	8:15				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	2/2/2005				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	NONE	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	a	EPA 160.2	
pH	Units	6.0 - 9.0	a	EPA 150.1	
TEMPERATURE	°F	NONE	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1	a	EPA 365.4	1.07 so tested again on 2/28/05
NO ₃ - N	mg/l	NONE	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	a	EPA 350.1	
SULFATES	mg/l	NONE	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
Pace Analytical					
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING				THIS REPORT COVERS PERIOD		
				THROUGH		
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD February 1 Through February 28, 2006	
DATE SAMPLED	2/6/2006					
TIME OF DAY SAMPLED	17:30					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	2/8/2006					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	N/D	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.30	a	EPA 150.1	
TEMPERATURE	°F	NONE	52	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.4	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.73	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	2.9	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	10.4	a	EPA 350.1	
SULFATES	mg/l	NONE	471	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD February 1 Through February 28, 2006	
DATE SAMPLED	2/6/2006					
TIME OF DAY SAMPLED	18:15					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	2/8/2006					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	15.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	6.70	a	EPA 150.1	
TEMPERATURE	°F	NONE	54	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.7	a	EPA 300.0	
PHOSPHORUS	mg/l	1	0.85	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	2.8	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	33.2	a	EPA 350.1	
SULFATES	mg/l	NONE	1240	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD February 1 Through February 29, 2008
DATE SAMPLED	2/5/2008				
TIME OF DAY SAMPLED	0:00				
SAMPLES COLLECTED BY	6:30				
DATES OF ANALYSES	2/6/2008				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	N/D	a	EPA 160.2	
pH	Units	7.30	a	EPA 150.1	
TEMPERATURE	°F	53	a	EPA 170.1	
FLUORIDE	mg/l	2.2	a	EPA 300.0	
PHOSPHORUS	mg/l	1.10	a	EPA 365.4	(retest on 2/19/08 - 1.1) (retest on 2/29/08 -1.3)
NO ₃ - N	mg/l	1.9	a	EPA 300.0	
NH ₃ - N	mg/l	4.5	a	EPA 350.1	
SULFATES	mg/l	292	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
Pace Analytical					
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD February1 Through February 29, 2008
DATE SAMPLED	2/5/2008				
TIME OF DAY SAMPLED	6:40				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	2/6/2008				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	NONE	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	a	EPA 160.2	
pH	Units	6.0 - 9.0	a	EPA 150.1	
TEMPERATURE	°F	NONE	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	a	EPA 350.1	
SULFATES	mg/l	NONE	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD January 1 Through January 31, 2005	
DATE SAMPLED	1/10/2005					
TIME OF DAY SAMPLED	10:00					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	1/12/2005					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	17.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.15	a	EPA 150.1	
TEMPERATURE	°F	NONE	48	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.4	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.888	a	EPA 365.4	1.59 so tested again on 1/31/05
NO ₃ - N	mg/l	NONE	1.0	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	1.3	a	EPA 350.1	
SULFATES	mg/l	NONE	86.8	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD January 1 Through January 31, 2005	
DATE SAMPLED	1/10/2005					
TIME OF DAY SAMPLED	10:15					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	1/12/2005					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	14.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	6.80	a	EPA 150.1	
TEMPERATURE	°F	NONE	47	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.0	a	EPA 300.0	
PHOSPHORUS	mg/l	1	0.499	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	0.7	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	2.3	a	EPA 350.1	
SULFATES	mg/l	NONE	148	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD January 1 Through January 31, 2006	
DATE SAMPLED	1/3/2006					
TIME OF DAY SAMPLED	6:20					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	1/4/2006					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	5.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.20	a	EPA 150.1	
TEMPERATURE	°F	NONE	43	a	EPA 170.1	
FLUORIDE	mg/l	8.00	2.9	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.86	a	EPA 365.4	Sampled 1/17/06 4.4 // sampled 1/04/06 4.3
NO ₃ - N	mg/l	NONE	2.9	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	14.0	a	EPA 350.1	
SULFATES	mg/l	NONE	539	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD January 1 Through January 31, 2006	
DATE SAMPLED	1/3/2006					
TIME OF DAY SAMPLED	6:35					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	1/4/2006					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	N/D	a	EPA 160.2	
pH	Units	6.0 - 9.0	6.90	a	EPA 150.1	
TEMPERATURE	°F	NONE	53	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.2	a	EPA 300.0	
PHOSPHORUS	mg/l	1	N/D	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	2.9	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	30.9	a	EPA 350.1	
SULFATES	mg/l	NONE	1300	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD Jan. 1 Through Jan. 31, 2007
DATE SAMPLED	1/9/2007				
TIME OF DAY SAMPLED	6:15				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	1/10/2007				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	NONE	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	a	EPA 160.2	
pH	Units	6.0 - 9.0	a	EPA 150.1	
TEMPERATURE	°F	NONE	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	a	EPA 350.1	
SULFATES	mg/l	NONE	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD Jan. 1 Through Jan. 31, 2007
DATE SAMPLED	1/9/2007				
TIME OF DAY SAMPLED	17:45				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	1/10/2007				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	NONE	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	a	EPA 160.2	
pH	Units	6.0 - 9.0	a	EPA 150.1	
TEMPERATURE	°F	NONE	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	a	EPA 350.1	
SULFATES	mg/l	NONE	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD January 1 Through January 31, 2008	
DATE SAMPLED	1/8/2008					
TIME OF DAY SAMPLED	6:35					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	1/9/2008					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	N/D	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.40	a	EPA 150.1	
TEMPERATURE	°F	NONE	54	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.1	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.67	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	1.4	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	2.8	a	EPA 350.1	
SULFATES	mg/l	NONE	163	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD January 1 Through January 31, 2008
DATE SAMPLED	1/8/2008				
TIME OF DAY SAMPLED	7:00				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	1/9/2008				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	NONE	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	a	EPA 160.2	
pH	Units	6.0 - 9.0	a	EPA 150.1	
TEMPERATURE	°F	NONE	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	a	EPA 350.1	
SULFATES	mg/l	NONE	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD July 1 Through July 31, 2005	
DATE SAMPLED	7/13/2005					
TIME OF DAY SAMPLED	6:30					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	7/14/2005					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	6.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.13	a	EPA 150.1	
TEMPERATURE	°F	NONE	72	a	EPA 170.1	
FLUORIDE	mg/l	8.00	2.0	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.432	a	EPA 365.4	1.47 on 7/13/05
NO ₃ - N	mg/l	NONE	2.3	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	9.2	a	EPA 350.1	
SULFATES	mg/l	NONE	376	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD July 1 Through July 31, 2005
DATE SAMPLED	7/13/2005				
TIME OF DAY SAMPLED	6:45				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	7/14/2005				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l 50	n/d	a	EPA 160.2	
pH	Units 6.0 - 9.0	7.02	a	EPA 150.1	
TEMPERATURE	°F NONE	72	a	EPA 170.1	
FLUORIDE	mg/l 8.00	4.2	a	EPA 300.0	
PHOSPHORUS	mg/l 1	0.81	a	EPA 365.4	
NO ₃ - N	mg/l NONE	3.2	a	EPA 300.0	
NH ₃ - N	mg/l NONE	28.5	a	EPA 350.1	
SULFATES	mg/l NONE	927	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		Pace Analytical			
					DATE

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING				THIS REPORT COVERS PERIOD		
				THROUGH		
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD July 1 Through July 31, 2006
DATE SAMPLED	7/10/2006				
TIME OF DAY SAMPLED	13:00				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	7/13/2006				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	10.0	a	EPA 160.2	
pH	Units	8.00	a	EPA 150.1	
TEMPERATURE	°F	76	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	a	EPA 365.4	
NO ₃ - N	mg/l	2	a	EPA 300.0	
NH ₃ - N	mg/l	13.6	a	EPA 350.1	
SULFATES	mg/l	505	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD July 1 Through July 31, 2006
DATE SAMPLED	7/10/2006				
TIME OF DAY SAMPLED	12:45				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	7/13/2006				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	NONE	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	a	EPA 160.2	
pH	Units	6.0 - 9.0	a	EPA 150.1	
TEMPERATURE	°F	NONE	a	EPA 170.1	
FLUORIDE	mg/l	8.00	a	EPA 300.0	
PHOSPHORUS	mg/l	1	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	a	EPA 350.1	
SULFATES	mg/l	NONE	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		Pace Analytical			
					DATE

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD July 1 Through July 31, 2007
DATE SAMPLED	7/18/2007				
TIME OF DAY SAMPLED	6:40				
SAMPLES COLLECTED BY	PCS				
DATES OF ANALYSES	7/19/2007				
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS
FLOW	MGD	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	7.0	a	EPA 160.2	
pH	Units	7.20	a	EPA 150.1	
TEMPERATURE	°F	76	a	EPA 170.1	
FLUORIDE	mg/l	2.1	a	EPA 300.0	
PHOSPHORUS	mg/l	0.83	a	EPA 365.4	
NO ₃ - N	mg/l	2.3	a	EPA 300.0	
NH ₃ - N	mg/l	3.2	a	EPA 350.1	
SULFATES	mg/l	230	a	EPA 300.0	
ANALYSES PERFORMED BY Pace Analytical		SIGNATURE OF ANALYST			
REPORT APPROVED BY OWNER		DATE			

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING OUTFALL #003		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD July 1 Through July 31, 2007	
DATE SAMPLED	7/18/2007					
TIME OF DAY SAMPLED	6:00					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	7/19/2007					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	0.18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	50	9.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.10	a	EPA 150.1	
TEMPERATURE	°F	NONE	76	a	EPA 170.1	
FLUORIDE	mg/l	8.00	5.7	a	EPA 300.0	
PHOSPHORUS	mg/l	1	0.51	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	3.4	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	13.4	a	EPA 350.1	
SULFATES	mg/l	NONE	639	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		Pace Analytical				
					DATE	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME		PERMIT NUMBER	COUNTY	OWNER	TYPE OF FACILITY	
REQUIRED FREQUENCY OF MONITORING			THIS REPORT COVERS PERIOD			
			THROUGH			
DATE SAMPLED						
TIME OF DAY SAMPLED						
SAMPLES COLLECTED BY						
DATES OF ANALYSES						
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
REPORT APPROVED BY OWNER		DATE				

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
NPDES MONITORING REPORT FOR NON-MUNICIPAL WASTEWATER DISCHARGES

FACILITY NAME Former FARMLAND INDUSTRIES Gypsum Stack		PERMIT NUMBER MO-0053627	COUNTY JASPER	OWNER FI Missouri Remediation Trust	TYPE OF FACILITY Gypsum Stack	
REQUIRED FREQUENCY OF MONITORING SHORT CREEK AT MO/KS STATE LINE		ONCE/MONTH GRAB			THIS REPORT COVERS PERIOD June 1 through June 30, 2004	
DATE SAMPLED	6/1/2004					
TIME OF DAY SAMPLED	7:30					
SAMPLES COLLECTED BY	PCS					
DATES OF ANALYSES	6/2/2004					
PARAMETERS	PERMITTED FINAL LIMITS	ACTUAL RESULTS OF ANALYSIS	SAMPLE TYPE	ANALYTICAL METHOD	REMARKS AND COMMENTS	
FLOW	MGD	NONE	18	b	ESTIMATE	
TOTAL SUSPENDED SOLIDS	mg/l	NONE	10.0	a	EPA 160.2	
pH	Units	6.0 - 9.0	7.21	a	EPA 150.1	
TEMPERATURE	°F	NONE	69	a	EPA 170.1	
FLUORIDE	mg/l	8.00	1.22	a	EPA 300.0	
PHOSPHORUS	mg/l	1.00	0.25	a	EPA 365.4	
NO ₃ - N	mg/l	NONE	0.26	a	EPA 300.0	
NH ₃ - N	mg/l	NONE	4.48	a	EPA 350.1	
SULFATES	mg/l	NONE	223	a	EPA 300.0	
ANALYSES PERFORMED BY		SIGNATURE OF ANALYST				
Pace Analytical						
REPORT APPROVED BY OWNER		DATE				